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ANNOTATED CATALOGUE

OF

UNPUBLISHED ENGINEERING AND GEOLOGICAL REPORTS

ON

MINERAL RESOURCES OF COLORADO

COLORADO STATE PLANNING COMMISSION
130 State Office Building
DENVER, COLORADO

DECEMBER, 1936

ANNOTATED CATALOGUE

of

UNPUBLISHED ENGINEERING AND GEOLOGICAL REPORTS

on

MINERAL RESOURCES OF COLORADO

The Colorado State Planning Commission

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Denver, Colorado
December, 1936

Prepared and Published under
Federal Project No. 3 of the Works Progress Administration.

Copies of the Material listed have been filed at the Denver Public Library.

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Abbreviations

C.S.B.M. Colorado State Bureau of Mines

n.d. No date given

N.M.P.M. New Mexico Principal Meridian

U.S.G.S. United States Geological Survey

P R E F A C E

The demand for information relating to the mineral resources of Colorado other than that available in published form was brought to the attention of the Colorado State Planning Commission. It was believed that much unpublished data could be secured in various parts of the state, which would be of definite value when assembled and arranged for use. Accordingly this work was undertaken as one phase of the studies of the State Planning Commission with the staff provided by the Works Progress Administration under Federal Project No. 3, a project conducted in cooperation with the National Resources Committee.

The material collected consists of some 782 engineering and geological reports, 328 maps of mining properties, mining districts, and petroleum properties, briefs of the annual reports of approximately 3100 mines, logs of 4506 oil and water wells, and some record of 3190 additional wells. Copies in triplicate were made of all items, of which two copies have been deposited for reference use at the Technical Department of the Denver Public Library, and a third copy at the Colorado School of Mines. The final step in the project was the preparation of this catalogue comprising lists of references to the material by author, subject, and county location.

The project was directed by Mr. Dean E. Winchester, prominent Denver geologist, from November, 1935, until his death in September, 1936. Since that date the work has been in charge of Mr. J. F. Beckstrom, Assistant Supervisor. The carefully prepared annotations for the catalogue were made by Mr. Charles L. Andrews, bibliographer for the project.

Acknowledgment is gratefully made for assistance rendered by Mr. John T. Joyce, State Commissioner of Mines, and by numerous mining and oil companies, mining engineers, geologists and other individuals who furnished records, maps, and reports. Acknowledgment is also made to the Continental Oil Company for providing office space; to the Mountain Producers Corporation and the Denver and Rio Grande Western Railroad for the use of office equipment; and to the staff of the Denver Public Library for assistance in devising a system for filing the material.

Irvin J. McCrary, Consultant.

CATALOGUE

PART

I

REPORTS

MINE RECORDS--WELL LOGS

MISCELLANEOUS

oOo

Aller, F. D.

1. Report on a group of mining claims in the California Mining District, La Plata Co., Colorado, with a letter from Frank W. Lott and L.G. Ingersall, 4p. 1932. map.
   La Plata County. California Mng. Dist. 12 miles from Durango on the eastern flank of Falls Creek.

2. Report on the Oro Negro group of mining claims, La Plata County, Colo. 1p. n. d. map.
   La Plata County. California Mng. Dist. in Deadwood Gulch, about 17 miles from Durango. Sec. 23 or 26. Twp. 36 N., R. 11 W., N.M.P.M.

Anchor Mines Syndicate.

1. Prospectus of the Anchor Mines Syndicate. The Gold Dollar, Gold Bullion and Anchor lode claims 1-8. Vermillion Mining Dist., Gilpin County, Colorado. 5p. n.d.
   Gilpin County. Vermillion Mng. Dist.

Andrews, Charles Lincoln

1. Catalogue of the material gathered concerning the mineral resources of Colorado, mostly from manuscripts and maps. Copied for preservation under the direction of the Colorado State Planning Commission. Part 1, Reports; Part 11, Maps. Index 1936.

Anonymous.

1. Report on P.T. mine. 1p. n.d. map Clear Creek Co. Jackson Mining Dist. Chicago Mt. tunnel starting at Chicago Creek.

Anonymous (Cont'd.)

2. Fremont feldspar. Chemical analysis by Frank E. E. Germann. 7p. 1925.
   Fremont County. About 10 miles west of the Royal Gorge.

3. Statement concerning the Pride of the West lode mining property. 2p. 1930.
   San Juan County. Animas Mining Dist. Up Cunningham Gulch. 8 mi. from Silverton.

Armstrong, F.C.

1. Brief statement concerning the Zephr and Cyclone mining claims by F.C. Armstrong, M. E., with additional information furnished by E. A. Hitchcock. 4p. 1903.
   Boulder County. Magnolia Mng. Dist. In S. ½ of Sec. 36. Twp. 1 N., R. 72 W., along Boulder Creek.

Arthur, Jr., Edward F.

1. Report on the C.O.D. group Cripple Creek Mining District, Teller County. 4p. 1928.
   Teller County. Cripple Creek Mng. Dist. Sec. 18, Twp. 15 S., R. 69 W.

2. Reports on the Friend group, Dumont Mng. Dist. Clear Creek County. 3p. 1935 2 maps.
   Secs. 29 and 30. Twp. 3 S., R. 73 W.

Ashbaugh, Lewis E.

1. Preliminary report on Properties of the Mineral Holdings Company at Jamestown, Boulder County. 4p. 1929. map 5p. illus.
   Boulder County. Central Mng. District. On west slope of the north part of Prophyry Mountain. S. W. ¼ of Sec. 18. Twp. 2 N., R. 71 W. 1½ mi. fom Jamestown.

Ashbaugh, Lewis E. (Cont'd.)

2. Report on the gold properties of the Star Mining & Milling Company, Boulder County. 8p. 1931. 8p. illus. 3 maps.
   Boulder County. Gold Hill Mng. District, on Gold Hill, just north of Wall Street.

3. Report on the properties of the Major Gold Mining Company, Sunshine, Boulder County. 4p. 1934. 2 maps.
   Boulder County. Sunshine Mng. District. Up Sunshine Gulch, 2/3 of a mile above the town.

4. Report on the Sedalia copper mine at Salida. 1p. 1930.
   Chaffee County. Sedalia Mng. Dist. 4mi. north of Salida, 1½ mi. from the R.R.

5. Report on the Bates-Bonanza mines, Gilpin County. 11p. 1931 7 maps. illus.
   Gilpin County Gregory Gulch Mng. Dist.

6. Report on the Ruby Mining properties, Oh-be-Joyful Valley, Gunnison County. 8p. 1931. 3 maps 10p illus.
   Gunnison County. Ruby Mining District Oh-be-Joyful Creek, 8 miles from Crested Butte. Approx. location: Secs. 9, 10 and 11, Twp. 13 S., R. 57 W.

7. Report on the Criterion mining properties near Alma, Park County. 5p. 1930.
   Park County. Buckskin Mining District.

8. Report on the Weber mining properties of the Mineral Park Mines, Inc., near Alma, Colorado. 7p. 1928. 5 maps. 14p. illus.
   Park County. Buckskin Mining Dist. S. W. ¼ Sec. 27, Twp. 8 S., R. 78 W 3 miles northwest of Alma.

9. Vanadium-Uranium property in Hay Meddow District in South Park, Colorado Park County. 1p. 1935.
   Park County, Hay Meddow Mng. District.

10. Report on the Gold Cap Properties. Collier Mt., Summit County. 4p. 1934. Maps and illus. missing.
   Summit County. Montezuma Mng. District on Collier Mt., just south of Chilhauhua and 2 miles east of Montezuma.

Austin, William Lawrence

1. A promising gold field (Rito Seco Properties) n.d.
   See Ritter, Etienne A., 2. (Sec. 5).

2. Report on the Plomo mining property (Rito Seco properties) 1905.
   See Ritter, Etienne A., 2. (Sec. 10).

Ball, Max W.

1. The P.H. Oliver State Lease, Tow Creek field, Routt County. 4p. 1932.
   Routt County, Tow Creek field, S. ½ of the N.W. ¼ Sec. 18, Twp. 6 N., R. 86 W., 11 miles east of Hayden Tow Creek structure.

Bancroft, George J.

1. Minerals of Jefferson County, 2p. n.d.
   Jefferson County.

Barbour, W. Bruce

1. The Greasewood Dome inspection trip (Orchard oil field) 8p. 1935. 2 maps.
   Weld & Morgan Counties. Greasewood Field S.W. ¼ of S.W. ¼ Sec. 24, Twp. 6 N. R. 61 W.; N.E. ¼ of N.W. ¼ Sec. 24 Twp. 6 N., R. 61 W.
   Pawnee Anticline
   Greasewood Anticline
   Fort Morgan Anticline
   Greasewood Dome
   Patterson Well No. 1
   Ida Johnson Well No. 1

Bauer, C. Max

1. The Rocky Mountain region before the Rockies. pp. 7-10.
   See University of Colorado, 1.

Becker, Clyde M.

1. Report on the Tomahawk and Black Diamond Properties. 5p. 1934.
   La Plata County. California Mng. Dist, 3 miles north of La Plata, Colorado.

Beckstrom, E.L.

1. The geology and ore deposits of the White Raven mine, Ward, Colorado. 5p. 1936. map.
   Boulder County. Ward Mining District Sec. 12, Twp. 1 N., R. 73 W.

Beckstrom, J.F.

1. Mineral resources of Mesa County. Compiled from information gathered by F.E. Whitney, Field Investigator, on the Mineral Resources survey sponsored by the State Planning Commission. 2p.
   Mesa County.

Beeler, Henry C.

1. A brief report on the Iron Mask group of mines, near Dumont, Clear Creek County. 4p. 1933.
   Clear Creek County. Dumont Mng. Dist. S. W. $\frac{1}{4}$ Sec. 18, Twp. 3 S., R. 73 W.

2. Report on the properties of the Douglas Mountain Mng. Company, near Idaho Springs, Clear Creek County. 4p. 1929. map. 4p. illus.
   Clear Creek Co. Morris Mng. District.

3. Report on the Old Kentucky group of mines. 3p. 1934. map.
   Gilpin County. Perigo Mng. Dist. Secs. 22, 23, 26 and 27, Twp. 2 S., R. 73 W., extending in a northeasterly and southwesterly direction from a point east of Stewart Gulch to Silver Creek, a distance of about a mile and a half, and about five miles northeast of Blackhawk in eastern Gilpin County.

Belser, Carl

1. Notes on the Pueblo Belle mine, Boulder County. 3p. n.d. map.
   Boulder County. Sugarloaf Mng. District.

Benjovsky, Theodore D.

1. Report on the Livingston Mining Company property in the Sugarloaf Mining District at Sugarloaf, Boulder County. 2 - Lip. 1930. map.
   Boulder County. Sugarloaf Mng. District.

2. Preliminary report on Pass Me By, Neglected and Lonesome Pine claims, Turret Mining District, Chaffee County. 4p. 1936. map.
   Chaffee County. Turret Mining District Secs. 2 and 11, Twp. 50 N., R. 9 E., N.M. P.M. 7 miles north of Salida.

3. A modern Sampling, Milling and Reduction plant at Salida, Colorado 2p. n.d.
   Chaffee County.

Berger and Sayre

1. Report to the Aco Mining Company on the Warrior's Mark, Seven-Thirty and Hicks-Detroit by Berger and Sayre (Robert H. Sayre). 12p 1923.
   Summit County. Breckenridge Mng. Dist. Warrior's Mark: 10 miles southeast of Breckenridge. Hicks-Detroit: 2 Miles northeast of Breckenridge.

Big Five Tunnel

1. Information concerning veins cut by the Central Tunnel level of the Big Five Tunnel. 5p. 1906-8.
   Clear Crk. Co. Spanish Bar Mng. Dist.

Blue Bird Mining & Milling Company.

1. Letter concerning the Henrietta group of mines in the San Juan district of western Colorado. 2p. 1936.
   San Juan County. Animas Mng. Dist. Near Gladstone, about 8 or 9 miles from Silverton.

Boehmer, Max

1. Bon Ton and Carbonate group. 2p. n.d. map.
   Gunnison County. Rock Creek Mng. Dist. Northeast slope of Crystal Mountain, 1 mile from Crystal.

2. Report on the adjoining Emerald Isle and Contention claims. 3p. 1890. map.
   Hinsdale Co. Lake Mng. Dist. on west slope of Lake Fork about 3 mi. from Lake City.

Boyd, Lewis H.

1. The Florence oil field. 9p. 1935. 4 maps and charts.
   Fremont County. Florence-Canon City field. Southeast of Florence. The Florence Refinery.

Brace, Walter C.

1. A detailed record of the smelting results obtained from the treatment of two lots; one of Iron Silver and one of Small Hopes zinc ores at the test works of the International Metallurgical Co., at Denver, submitted to Theo. E. Schwarz. 13p. 1900.
   Lake County. California Mng. Dist. Iron Silver zinc ores and Small Hopes zinc ores.
   International Metallurgical Company.

Bradish, Harry R.

1. Statement concerning the following groups of claims in San Juan County: Alaska-Acapulca Group. Uncompahgre Mng. Dist. Sec. 3, Twp. 42 N., R. 7 W., N.M.P.M. Map.
Iout Group. Uncompahgre Mng. Dist. Sec. 34, Twp. 43 N., R. 7 W.
Judson C. Clevenger Group. Ice Lake Mng. Dist. Sec. 25, Twp. 41 N., R. 9 W. Map.
Klondike group. Eureka Mng. Dist. Sec. 16, Twp. 42 N., R. 6 W.
San Juan County. Uncompahgre, Ice Lake and Eureka Mining Districts.

2. Statement concerning the following groups of claims in the Red Mountain Mng. Dist., Ouray County: Belle of the West Group. Sec. 34, Twp. 43 N., R. 7 W., N.M.P.M. Map.
Guadalupe Group. Sec. 20, Twp. 43 N., R. 7 W. Kentucky Giant Mine. Sec. 32, Twp. 45 N., R. 7 W. Map.
Lost Day Group. About Sec. 8, Twp. 42 N., R. 8 W. Map.
Minnie Group. Sec. 36, Twp. 43 N., R. 8 W.
Ouray County. Red Mountain Mng. Dist.

3. Statement concerning the following groups of claims in the Sneffels Mng. Dist., Ouray County. Colorado:
Altoona Group. Sec. 19, Twp. 43 N., R. 8 W. N.M.P.M. Map.
Ethan Allen Group. Sec. 16, Twp. 43 N. R. 8 W. N.M.P.M. Map.
Highland Chief Group. Sec. 22, Twp. 43 N., R. 8 W., N.M.P.M. 2 maps.
Monster Group. Sec. 22, Twp. 43 N., R. 8 W., N.M.P.M. Map.
Ouray County. Sneffels Mining Dist.

4. Statement concerning the following groups of claims in the Sneffels Mng. Dist., Ouray County:
Pilot Mine Sec. 17, Twp. 43 N. R. 8 W., N.M.P.M.
Torpedo-Eclipse Group. Sec. 15. Twp. 43 N. R. 8 W. (See Maps. Mines Metalliferous. Ouray County. 1.)
Yellowstone & Circassian claims of the - Trust-Ruby Co. Sec. 17, Twp. 43 N., R. 8 W. Yankee Boy Group. Sec. 17, Twp. 43 N., R. 8 W. Map.
Yellow Rose Group. Sec. 26, Twp. 43 N., R. 8 W. Map.
Ouray County. Sneffels Mining District.

Bradish, Harry R. (Cont'd.)

5. Statement concerning the following groups of claims in the Uncompahgre Mng. District, Ouray County:
Happy Jack Group. Sec. 8, Twp. 43 N. R. 8 W., N.M.P.M.
Kentucky Claim. Sec. 30, Twp. 44 N., R. 7 W.
Rainbow Group. Secs. 26 and 27, Twp. 44 N., R. 8 W.
Speedwell Group. Sec. 24, Twp. 44 N., R. 8 W. Map.
Trout-Fisherman Group. Sec. 30, Twp. 44 N., R. 7 W. Map.
Ouray County. Uncompahgre Mng. District.

6. Statement concerning the following groups of claims in the Uncompahgre and Paquin Mng. Districts, Ouray County:
Vida Group (Paquin N.D.) Sec. 18, Twp. 44 N., R. 7 W., N.M.P.M. Map.
Weehawken Basin. Big Ben Group, Angel Group, Japan-Moslem Group. Sec. 3, Twp. 43 N.R. 8 W. and Sec. 35, Twp. 44 N.R. 8 W. Map.
Wyoming Group. Sec. 30, Twp. 43 N.R. 6 W. (Sec. 20, Twp. 43 N., R. 6 W., Galena Mining Dist. Hinsdale County). 2 maps.
Ouray County. Uncompahgre & Paquin Mining Districts.

Bradley, Joseph M.

1. Report on the Passiflora Mining & Milling Co., Custer County, Colo., with supplemental statement by the President of the Company; accompanied by a report on the property by E. W. Keith, a letter by John Edman and pages 469-72 of the 17th Annual Report U.S. Geological Survey 1895-96, The Mines of Custer County, by Samuel Franklin Emmons 12p. n.d.
Custer County, Hardscrabble Mng. Dist.

Brecken, L.S.

1. Report on the Colorado-Juneau Mines, Inc., Oro Fino Mng. Dist. La Plata Co. 14p. 1934.
La Plata County. California Mng. Dist. Secs. 26 and 35, Twp. 37 N., R. 10 W. N.M.P.M., about 15 mi. N. W. of Durango.

Broadman, _____.

1. Report on the Ingham group, Ingham lode and Period lode mining claims. 5p. c1904. map.
Clear Creek County. Lower York and Lincoln Mng. Districts.

(Continued on next page)

Broadman, _____(No. 1 cont'd.)
On Fall River, about 2½ mi. from Fall River, about 2½ mi. from Fall River Station and 5 miles from Idaho Springs.

Broan, J.M.
1. Report on the Vermiculite properties in Fremont and Custer Counties, near Westcliff and Hillside, Colorado. 1934.
See Sharer, Edward, C., 1.

Brown, Frank Ellis.
1. Mineral Springs: Pikes Peak Journal, March 27, 1936. 3p. 1936.
El Paso County.

Brown, Prentice F.
1. Progress report on Paradox Valley and surrounding territory in southwestern Colorado. 8p. 1924. map.
San Miguel and Montrose Counties Twps. 42-45 N., R. 19 and 20 W.
Dry Creek Anticline
Dove Creek Anticline
Gypsum Anticline
Paradox Anticline
McElmo Well
Gypsum beds

Brown, Thomas A.
1. Prospectus of the Nickel Plata and Monito Mines on prospect and Mineral Hills, Bevan Mng. Dist. Summit County. 3p. 1900.
Summit County. Bevan Mining District.

2. Engineers report on the Tillie Ann mining properties. Peak Eight Mining District, Summit County. 4p. 1919.
Summit County. Peak Eight Mng. District.

Bullion King Mining Co.
1. Letter concerning the Zuni Mines properties at Silverton, Colorado. 1908. 2p.
San Juan County. Animas Mining District.

Burger, O.K.
1. Report on the Iron King mine, 3 miles north of Cascade. 3p. 1936. 2 maps. illus.
El Paso County.
Secs. 2 and 3, Twp. 13 S., R. 68 W.

2. Report concerning the possibilities and prospects of gold mining on the A.J. Borck ranch, south of Cotopaxi and 40 miles west of Canon City, Fremont County. 4p. 1934, with a letter from Albert de Marconnay. 1p. 1935. Map missing.
Fremont County.

2. Report on conversations with Mr. Frank Ellis Brown concerning "Rare Minerals" found in Colorado, together with two extracts from the Pikes Peak Journal, Manitou, March 6, 1936 and January 24, 1936, by Mr. Brown. 10p. 1936.

Burlingame, Walter E.
1. Tungsten-Ferberite. 2p. 1934.
Gilpin County. Pine Mountain Mng. Dist. 8 miles from Rollinsville.

Burris, Jr., S.J.
1. Report to the directors of the Van Emmitt Gold Mining Company. 8p. 1929.
La Plata County. California Mng. District.

Byrnes, V. H.
1. Letter concerning the Crown Point-Virginia mines. 2p. n.d.
Clear Creek County. Idaho Springs Mining District.

Byron, J.E.
1. Reports on the Thunderbolt mine, located near Jamestown. 2p. n.d. 2 maps.
Boulder County. Central Mng. District
Sec. 36, Twp. 2 N., R. 72 W.

2. Report on the Little Johnny mine, Boulder County. 3p. 1933.
Boulder County. Gold Hill Mng. District
Sec. 17, Twp. 1 N., R. 71 W 8 miles N.W. of Boulder on Four Mile Creek.

3. Report on the Roseberry mine, Eldora, Colorado. 6p. 1933. 2 maps.
Boulder County. Grand Island Mng. Dist.
At Eldora on Spencer Mountain.
Sec. 21, Twp. 15, R. 73 W.

4. Report on the Monitor group of mining claims, Caribou, Colo. 12p. 1931.
Boulder County. Grand Island Mng. Dist.

5. Report on the Livingston Mng. Co. 12p. 1935.
Boulder County. Sugarloaf Mng. Dist.
Secs. 23, 25 and 26, Twp. 1 N., R. 72 W.

(Continued on next page)

Byron, J.E. (Cont'd.)

6. Report on the Dolly Varden group of mines. 4p. 1931. map.
   Boulder County. Ward and Sugarloaf Mining Districts.
   15 miles west of Boulder. Sec. 20, Twp. 1 N., R. 72 W. On Pennsylvania Gulch and on the south side of Four Mile Creek.

7. Preliminary report on the Baxter mine, Ward, Colorado. 2p. 1931. map.
   Boulder County. Ward Mining Dist.
   Sec. 1, Twp. 1 N., R. 73 W.

Caldon, J. D.

1. Report on the property of the Golden Vault Mining & Milling Co. Independence Mining District, Gilpin County. 5p. 1919.
   Gilpin County. Independence Mng. Dist.
   2½ miles southwest of Rollinsville.
   South Moon Gulch. Twp. 2 S., R. 73 W.

Callin, George

1. The Collins group of mining claims. Sayre Gulch, on the western slope of Mt. Allen, Chaffee County. 1p. n.d.

Calloway, James D.

1. Preliminary report on Bemrose placer, Hoosier Pass Mining Dist. Summit County, with a prospectus of the Hoosier Gold Mines Company. N.C. Anderson, President. 9p. 1936.
   Summit County. Hoosier Pass Mng. Dist.
   Secs. 1, 11, 12 and 21, Twp. 8 S., R. 78 W. About 10 miles south of Alma.

Cannon, R.m.

1. Field notes on Garion Ranch test holes with pump tests. 6p. 1933. 2 maps.
   El Paso County. Near the east line of the city of Colorado Springs.

Caramouzis, Basil

1. Report on the May Rose Mines, La Plata County. 3p. 1936. map.
   La Plata County. California Mng. Dist.
   Sec. 15, Twp. 36 N., R. 11 W., N.M.P.M.

Carnahan, E.E.

1. Statement concerning the Perseverance group of claims. 1p. 1936.
   Gilpin County. Central City Mng. Dist.
   About 2 miles south of Blackhawk in the Silver Creek country.

Carraway, Davis S.

1. Report on the Spanish Peak group of Mining claims, 6p. 1899.
   Las Animas County. West Spanish Peaks Mining District.
   20 miles west of Aguilar on the southeast slope of the West Spanish Peak.

Carroll, A.A.

1. Statement concerning the Netted Gem group. 3p. 1936. map.
   Gunnison County. Box Canon Mng. Dist.
   Southeast slope of Copper Mountain, near Bowerman. S. E. ¼ Sec. 21, Twp. 50 N., R. 4 E., N.M.P.M.

Cason, Daniel

1. Statement concerning the Champion group of lode mining claims. San Juan County. 2p. 1936.
   San Juan County. Animas Mining Dist.
   About 1 mile south of Silverton.

Chase, A. E., Fair, Fred A., and others.

1. Report on the Logan group of mines of the Logan Metals Company, 3p. n.d. Supplemented by reports of A. S. Coan, 1p. n.d. W.B. Hayes, 1p. 1905. Fred A. Fair, 4p. 1917.
   Boulder County. Sugarloaf Mng. Dist.
   1-1/2 miles southwest of Crisman.

Chase, Charles A.

1. Report on the properties of the Van Emmett Gold Mining and Milling Co., Ohlwiler Gulch, La Plata County. 7p. 1912. Map. (Incas claims).
   La Plata County. California Mng. District.

Chase, Edwin E.

1. Report on the Golden Fleece mine. 6p. 1898. 2 maps.
   Hinsdale County. Lake Mng. District 4 miles southeast of Lake City on east slope of Hotchkiss Mountain.

Chase, Edwin E. (Cont'd.)

2. Report on the Caribou mine in Boulder County. 1915.
   Boulder County. Grand Island Mng. Dist. This report forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit".

Church, Chester W.

1. Report on the Freeland mines. 5p. 1928.
   Clear Creek County. Dumont Mng. Dist. 4 miles west of Idaho Springs, Freeland Development & Tunnel Co.

Clark, V. V.

1. Report on Placer property of Eugene Mines, Inc. 6p. 1935. map.
   Gilpin County. Blackhawk Mng. Dist. Northwest boundary of the property begins at the lower end of the town of Blackhawk and it extends down north Clear Creek approximately 4980 feet.

2. A geological study with historical notes of Creede Mines, Inc. 24p. 1934. 5 maps. Illustrated.
   Mineral County. Sunnyside Mng. Dist.

3. Report on the A.P. Lode, Cripple Creek Mining District. 3p. 1935. 2 maps.
   Teller County. Cripple Creek Mng. Dist. Sec. 6, Twp. 15 S., R. 69 W. About 2 miles east of Cripple Creek.

Coan, A. S.

1. Preliminary report on the Tambourene group of mines, at Wall Street, Boulder County. 2p. nd.
   Boulder County. Gold Hill Mng. Dist.

Colburn, C. Lorimer

1. Information concerning the Silver Wing property, San Juan County. 1p. 1936. map.
   San Juan County. Eureka Mng. Dist. About 1-1/2 miles above Eureka. Sec. 17, Twp. 42 N., R. 6 W., N.M.P.M.

2. Information concerning the Highland Mary Mine, San Juan County. 1p. 1936. map.
   San Juan County. Animas Mng. Dist. 8 miles from Silverton. Sec. 25, Twp. 41 N., R. 7 W., N.M.P.M.

3. Information concerning the Martin property, San Juan County. 1p. 1936. map.
   San Juan County. Uncompahgre Mining Dist. Northwest from Eureka extending over Treasure Mountain. Sec. 3. Twp. 42 N., R. 7 W., N.M.P.M. Secs. 19 and 20, Twp. 42 N., R. 6 W., N.M.P.M.

Colorado Copper Company.

1. Statement concerning the property of the Colorado Copper Company, William Garstin, President. 19p. 1929. maps. diagr. photo.
   Park County. Freshwater Mng. Dist. Part of S. W. $\frac{1}{4}$ Sec. 28, N. W. $\frac{1}{4}$ Sec. 33, W. $\frac{1}{2}$ N. E. $\frac{1}{4}$ Sec. 33. Twp. 15 S. R. 73 W., 6th P.M 4-1/2 miles S. W. of Guffey. (Also called the Mill Gulch Mng. Dist.)

Colorado Juneau Mines Inc.

1. Reports on tests conducted on samples of ore from Colorado Juneau Mines, Inc. Southwestern Engineering Corp. 4800 Santa Fe Avenue, Los Angeles, California. Lot N. 2561, 4p. 1933.
   La Plata County. California Mng. Dist. Secs. 26 and 35, Twp. 37 N., R. 10 W., N.M.P.M.

Colorado State Bureau of Mines.

1. Discussion of determination of gold values, weights, methods of calculating gold placer deposits and miscellaneous weights, etc. (John H. Marks.) 13p. 1936.

2. Report on the Wall Street Gold Extraction Co. (at Sunset) Boulder County, Mine Manager's Reports for the year 1902, page 35. 2p.
   Boulder Co., Sec. 21, Twp. 1 N., R. 72 W.

3. Report on the Big Five Mines at Francis, Boulder County: Mine Managers' reports for the year 1902. page 8, 2p. map.
   Boulder County. Ward Mng. District. Sec. 12, Twp. 1 N., R. 73 W.

4. Report on the Ni Wot Mng. Co., (Big Five): Mine Managers' Reports for the year 1900. page 8. 1p.
   Boulder County. Ward Mining District Sec. 1. Twp. 1 N., R. 73 W.

Colorado State Bureau of Mines (Cont'd.)

5. Report on Wheeman's Mining and Tenneling Company, Bicycle Mountain, Boulder County: Mine Managers' Reports for the year 1901, page 90, 2p. map.
   Boulder County. 8 miles from Boulder on the road to Eldora.

6. Report on production of Uranium and Tungsten ores in Boulder, Montrose and San Juan Counties in 1900: Mine Managers' Reports for the year 1901. Page 272 A. and B. 2p.
   Boulder, Montrose, San Juan Counties.

7. Report on the Giant-Eclipse Consolidated Mines Company, Chaffee County: Mine Managers' Reports for the year 1914, page 57. 1p.
   Chaffee County. Monarch Mining District. Sec. 4. Twp. 49 N., R. 6 E., N.M.P.M.

8. Report on the Copper King of Colorado, the Sedalia Extension, Sedalia Extension No. 2, and Copper Queen of Salida lode claims, Chaffee County: Mine Managers' Reports for the year 1901. pages 101. 2p.
   Chaffee County. Cleora Mining District Sec. 13, Twp. 50 N., R. 8 E. N.M.P.M. Colorado Copper Mining Co.

9. Report on the Knickerbocker Tunnel, Clear Creek County: Inspector of Mines' Reports for the years 1895 to 1897, Vol. 1, page 83. 1p. map.
   Clear Creek County. Virginia & Fall River Mining Districts in Dry Gulch. Sec. 22, Twp. 3 S., R. 73 W.

10. The Monarch properties described with a report on the Freeland mine of the Monarch Mining, Milling, Tunnel, Transportation & Power Co., by W. G. Moore, M. E.; Inspector of Mines' Reports for the year 1905, Vol. 7, page 51. 8p. map.
   Clear Creek County. Dumont Mng. District Secs. 31 and 32 Twp. 3 S., R. 73 W.

11. Report on the Stanley Mines Co., Clear Crk, County: Mine Managers' Reports for the year 1910, page 48. 1p.
   Clear Creek County. Spanish Bar Mining Dist. Sec. 34, Twp. 3 S., R. 73 W.

12. Second Annual report of the Idaho Springs Gold Producing Co., Idaho Springs. Mine Managers' Reports for the year 1903, page 609. 2p.
   Clear Creek County. Sec. 34 Twp. 3 S., R. 73 W. Sec. 3, Twp. 4 S., R. 73 W. Torpedo Tunnel. Skyrocket. Placer in Spring Gulch.

13. Report on the Newhouse Tunnel, Clear Creek County: Inspector of Mines' Reports for the years 1895-97, Vol. 1, page 88. 1p.
   Clear Creek County. Idaho Springs Mng. Dist. Sec. 35, Twp. 3 S., R. 73 W.

14. Report on the Continental Mines, Power & Reduction Co.: Mine Managers' Reports for the year 1909, page 28. 2p. map.
   Clear Creek County. Lincoln Mng. Dist. Sec. 1. Twp. 3 S., R. 74 W. Seeman Tunnel. Lombard Mill. Lombard Tunnel 1 & 2.

15. Report on the Continental Mines, Power & Reduction Co., Clear Creek County: Mine Managers' Reports for the year 1910, page 49. 2p.
   Clear Creek County. Lincoln Mng. Dist. Sec. 1, Twp. 3 S., R. 74 W.

16. Report on the Golden Empire Mng. Co., Empire, Clear Creek County: Mine Managers' Reports for the year 1913, page 90. 4p.
   Clear Creek County. Upper Union Mining Dist. West slope of Covode Mountain. Secs. 27 and 28, Twp. 3 S., R. 74 W.

17. Report on the Maxwell Concentrating Mill, Clear Creek County: Mine Managers' Reports for the year 1902. page 94. 1p.
   Clear Creek County. Griffith Mining Dist. 1/2 mile west of Silver Plume. Sec. 13, Twp. 4 S., R. 75 W.

18. Report on the "Little Chief" proposition, Eagle County: Mine Managers' Reports for the year 1908, page 251. 3p.
   Eagle County. Battle Mountain Mng. Dist. Sec. 13, Twp. 6 S., R. 81 W.

19. Report on the Polar and Rocky Point group of mines, Gilman, Eagle County: Mine Managers' Reports for the year 1908, page 252. 7p.

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Colorado State Bureau of Mines No. 19 (Cont'd.)

19. Eagle County. Battle Mountain Mining Dist. Sec. 13, Twp. 6 S., R. 81 W.

20. Report on the Pine Creek District, Gilpin County: Inspector of Mines' Reports for the year 1896, Vol. 1, page 218. 1p.
Gilpin County. Pine Creek Mining District. Twp. 2 S., R. 73 W.

21. Report on the Sylvania Gold Mines Corporation, Gilpin County: Mine Managers' Reports for the year 1901, page 207. 1p.
Gilpin County. Illinois Central Mng. Dist. Southwest slope of Quartz Hill. Sec. 14, Twp. 3 S., R 73 W.

22. Report on the Pewabic Consolidated Gold Mines Co., Gilpin and Clear Creek Counties. Fourth annual report: Inspector of Mines' reports for the year 1905, Vol. 7. page 60. 2p. 2 maps.
Gilpin and Clear Creek Counties. Russell Gulch Mining District Sec. 23, Twp. 3 S. R., 73 W.

23. The Asphalt deposits of Middle Park, Grand County: Mine Managers' Reports for the year 1900, page 273. 2p.
Grand County. West of Grand Lake,

24. Report on the Emmons Mountain Mining & Milling Co., Gunnison County: Mine Managers' Reports for the year 1913, page 248. 2p.
Gunnison County. Ruby Mining Dist. 2-1/2 miles northwest of Crested Butte. About Sec. 20, Twp. 13 S., R. 86 W.

25. Report on Gunnison County by Lute H. Johnson: Mine Managers' Reports for the year 1901. page 215 1p. map.
Gunnison County. Ruby Mng. Dist. Sec. 34, Twp. 13 S., R. 87 W.
The Standard Mining Company
Black Queen Mng. Co. Excelsior vein.

26. Report on the Iron Silver Mng. Co., Lake County: Mine Managers' Reports for the year 1904, Vol. 6, page 161. 3p.
Lake County. California Mng. Dist. Sec. 30, Twp. 9 S., R. 79 W.

27. Report on the Loyal Gold Mining & Milling Co.: Mine Managers' Reports for the year 1913, page 300. 10p. map.
Lake County. Granite Mng. District. Sec. 30, Twp. 11 S., R. 79 W.
Solux Tiyee 47.

28. Report on the Maid of Erin, Lake County: Mine Managers' Reports for the year 1900. page 381 A 1p.
Lake County. California Mng. Dist. Sec. 24, Twp. 9 S., R. 80 W.
568 Maid of Erin.

29. Prospectus of the New Century Mining, Milling and Leasing Co.: Mine Managers' Reports for the year 1901. page 201. 2p. (abstract)
Lake County - Barry Lode. Lake Creek Mng. Dist. Echo Canon.
Ouray County - Sunset Nos. 1 and 2. Sentinel Mining Dist., on north slope of Mt. Sneffels.
(Sec. 6. Twp. 43 N., R. 8 W., N.M.P.M.)

30. Report on Copper Dist., Larimer County: Mine Managers' Reports for the year 1901, page 231. 3p.
Larimer County. Howes Gulch Mng. Dist. Sec. 11, Twp. 7 N., R. 70 W. About 7 miles west of Fort Collins and 3 miles south of Bellvue.

31. Report on the Omaha-Grant Smelting Co.: Mine Managers' Reports for the year 1901, page 264. 1p.
La Plata County. California Mng. Dist. Sec. 36, Twp. 37 N., R. 11 W., N.M.P.M.

32. Report on the United Mines Company, Mineral County: Inspector of Mines' Reports for the years 1901 and 1902, Vol. 5 page 149. 5p.
Mineral County. Sunnyside Mng. Dist. Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M.

33. Report on the Mancos Consolidated Gold Mines and Development Co.: Mine Managers' Reports for the year 1901. page 271, 4p.
Montezuma County. California Mng. Dist. on East Mancos River. Twp. 36 N., R. 12 W., N.M.P.M. Sundown, North Star etc.

Colorado State Bureau of Mines (Cont'd.)

34. The Silverton Quadrangle: Mine Managers' Reports for the year 1902. page 301. 3p.
    Ouray County. Twps. 40,41 and 42 N., Rs. 7 and 8 W., N.M.P.M.

35. Report on Camp Bird Limited, Ouray Co.: Mine Managers' Reports for the year 1903. page 414. 12p.
    Ouray County. Sneffels Mng. Dist. Sec. 34, Twp. 43 N., R. 8 W., N.M.P.M.

36. Report on the Camp Bird Limited, in Ouray County: Mine Managers' Reports for the year ending April 30, 1905. page 221. 25p. 5 maps.
    Ouray County. Sneffels Mng. Dist. Sec. 34, Twp. 43 N., R. 8. W., N.M.P.M. Imogene Basin. List of claims.

37. Report on the Atlas mine, Ouray County: Mine Managers' Reports for the year 1906. page 219. 3p. map.
    Ouray County. Sneffels Mng. District. 1 mile east of the Humboldt, Terrible and Virginius mines. Sec. 28, Twp. 43 N., R. 8 W., N.M.P.M.

38. Report on the Mascotte Gold Mining Company's proposed tunnel from Park City, Park County, to Leadville, Lake County: Mine Managers' Reports for the year 1902, page 267. 1p.
    Park County. Mosquito Mining District. Sec. 11, Twp. 9 S., R. 78 W.

39. Report on the Kentucky Belle group of mines, Park County: Inspector of Mines' Reports for the year 1904. Vol, 6, page 146. 6p.
    Park County. Buckskin Mining District. Sec. 20, Twp. 8 S., R. 78 W.

40. Report on the Smuggler Concentrator, Aspen, Colorado: Mine Managers' Reports for the year 1900, page 524. 2p.
    Pitkin County. Twp. 10 S., Rs. 84 and 85 W.

41. Report on the Hahn's Peak Mng. Dist., Routt County: Inspector of Mines' Reports for the years 1895-97, Vol. 1, page 319. 3p.
    Routt County. Hahn's Peak Mng. Dist.

42. Mining possibilities in the Hahn's Peak District: Mine Managers' Reports for the year 1902, page 282. 1p.
    Routt County. Hahn's Peak District.

43. Report on the present condition of oil prospecting in the Routt County field: Mine Managers' Reports for the year 1901, page 301. 1p.
    Routt County.

44. Report on the Iowa Gold Mining and Milling Company: Mine Managers' Reports for the year 1901. page 314. 2p.
    San Juan County. Silver Lake Mng. Dist. About Sec. 23, Twp. 41 N., R. 7 W.

45. Statement of the Kendrick Promotion Co.: Mine Managers' Reports for the year 1901. page 322. 3p.
    San Juan County. Red Mountain Mng. Dist. Sec. 20, Twp. 42 N., R. 7 W., N.M.P.M. Henrietta-Lizzie vein. Oliver Reduction Company-Silverton Mng. Dist.

46. The Kendrick & Gelder Smelting Co., Silverton, Colorado: Mine Managers' Reports for the year 1902, page 301. 7p. map.
    San Juan County. Red Mountain Mining Dist. Prospect Basin. Cement Creek side of Red Mountain. Sec. 20, Twp. 42 N., R. 7 W., N.M.P.M. Henrietta mine.

47. Report on mining, smelting and milling operations in San Juan County: Mine Managers' Reports for the year 1900, page 551. 5p.
    San Juan County. Red Mountain Mining District.
    Sec. 20, Twp. 42 N., R. 7 W., N.M.P.M.
    Kendrick & Gelder Smelter.
    Silver Ledge Mill near Chattanooga - about Sec. 26, Twp. 42 N., R. 8 W.
    Hercules Mill at Silverton.
    Goldstone King Mill at Gladstone.

48. The San Juan Smelting & Refining Co.: Mine Managers' Reports for the year 1904, page 312. 15p.
    San Juan County. Red Mountain Mng. Dist. Prospect Basin, Cement Creek side of Red Mountain. Sec. 20, Twp. 42 N., R. 7 W., N.M.P.M. Henrietta lode. Picayune Gulch group. Burroughs Park group. A group at Silverton.

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49. Report on the Ledge Mining & Milling Co., Red Mountain, Colorado: Mine Managers' Reports for the year 1901, page 324. 4p.
San Juan County. Red Mtn. Mng. Dist. Near Chattanooga, about 9 miles north of Silverton. About Sec. 26, Twp. 42 N., R. 8 W., N.M.P.M. Gladstone about 6 miles northeast of Chattanooga.

50. Report on the Savage Basin, San Miguel County: Mine Managers' Reports for the year 1901, page 335. 19p. H. A. Lee, Commissioner of Mines.
San Miguel County. Lower San Miguel, Mt. Mt. Wilson, Snyderville and Upper San Miguel (Telluride) Mng. Dist. Twps. 42 and 43 N., Rs. 9 and 10 W., N.M.P.M. Geology of Savage Basin, Veins worked pp. 7-15.

51. Report on the Tomboy Gold Mines Co. Ltd., San Miguel Co.: Mine Managers' Reports for the year 1900. page 585. 3p.
San Miguel County. Upper San Miguel Mng. Dist. Sec. 4, Twp. 42 N., R. S. W. N.M.P.M. Argentine, Red Cloud, Champion and Chieftain claims.

52. Report on the Tomboy Gold Mines Co., Limited, San Miguel County: Mine Managers' Reports for the year 1902, page 331. 3p.
San Miguel County. Upper San Miguel Mng. Dist. Sec. 4, Twp. 42 N., R. 8 W. Argentine. Columbia-Menona group. Eldorado group.

53. Report on the Tomboy Gold Mines Co. Ltd., Telluride: Mine Managers' Reports for the year 1903, page 472. 4p. map.
San Miguel. Upper San Miguel Mng. Dist. Sec. 4 Twp. 42 N.R. 8 W., N.M.P.M.

54. Report on the Tomboy Gold Mines Co. Ltd.: Mine Managers' Reports for the year 1905, page 260 A. 4p.
San Miguel Co. Upper San Miguel Mng. Dist. Sec.4, Twp 42 N. R. 8 W., N.M.P.M.

55. Report on the Smuggler Union Mng. Co., San Miguel County: Mine Managers' Reports for the year 1903, page 468. 2p.
San Miguel County. Upper San Miguel Mng. Dist. Secs. 29, 30, 31 and 32, Twp. 43 N., R 8 W., N.M.P.M.

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56. Report on the Butterfly-Terrible Gold Mng. Co., San Miguel County: Mine Managers' Reports for the year 1900, page 567. 2p.
San Miguel County. Iron Springs Mng. Dist. Sec. 33, Twp. 42 N., R 9 W., N.M.P.M. Terrible shaft. Ida vein.

57. Report on Butterfly and Terrible group, San Miguel County: Mine Managers' Reports for the year 1901, page 337 A. 10p.
San Miguel County. Iron Springs Mng. Dist. Sec. 33, Twp. 42 N., R. 9 W., N.M.P.M. 1 mile from Ophir Station.

58. Fifth Annual report of the Butterfly-Terrible Gold Mining Company: Mine Managers' Reports for the year 1905, page 255. 2p.
San Miguel County. Iron Springs Mining Dist. Sec. 33, Twp. 42 N., R. 9 W.

59. Report on the Ophir Consolidated Mines, Ophir, Colo.: Mine Managers' Reports for the year 1902, page 469. 3p. map.
San Miguel County. Iron Spings Mining Dist. Sec. 35, Twp. 42 N., R. 9 W., N.M.P.M.

60. The Breckenridge Gold Belt, Summit Co., its placers and lode mines: Mine Managers' Reports for the year 1901, page 349 A 9p.
Summit County.

61. Report on Pennsylvania Mine Co., Summit County: Mine Managers' Reports for the year 1901, page 349 A. 1p.
Summit County. Peru District. Secs. 20 and 29, Twp. 5 S., R. 75 W.

62. Report on the Tenderfoot Hill Consolidated Mining Co., Teller County: Mine Managers' Reports for the year 1901, page 531. 5p.
Teller County. Cripple Creek Mining Dist. Secs. 7 and 18, Twp. 15 S., R. 69 W.

63. Report on the Anchoria-Leland Mining & Milling Co., Teller County: Mine Managers' Reports for the year 1901, page 355. 6p.
Teller County. Cripple Crk. Mng. Dist. Secs. 18 and 19, Twp. 15 S., R. 69 W.

64. Report on the Anaconda Gold Mining Co.: Mine Managers' Reports for the year 1901, page 356. 3p.
Teller Co. Cripple Crk. Mng. Dist. Sec. 19. Twp. 15 S., R. 69 W. Kittie M. Claim.

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65. Report on the Elkton Consolidated Mining & Milling Co., Teller County: Mine Managers' Reports for the year 1901, page 409 A. 2p.
Teller County. Cripple Crk. Mng. Dist.
S. W. ¼ Sec. 19, Twp. 15 S., R. 69 W.

66. President's report on the Jack Pot Mng. Co., Teller County: Mine Managers' Reports for the year 1897, page 130. 2p.
Teller County. Cripple Crk. Mng. Dist.
S. 1/2 Sec. 19, Twp. 15 S., R. 69 W.

67. Annual report of the Pharmacist Mng. Co., Teller County: Mine Managers' Reports for the year 1897, page 210. 2p.
Teller County. Cripple Crk. Mng. Dist.
N. E. ¼ Sec. 20, Twp. 15 S., R. 69 W.

68. Annual report of the Isabella Mines Co.: Mine Managers' Reports for the year 1913, page 552. 3p.
Teller County. Cripple Crk, Mng. Dist.
Secs. 20 and 21, Twp. 15 S., R. 69 W.
Comet Flat vein.

69. Report on the Golden Cycle Mine, Teller County: Mine Managers' Reports for the year 1901, page 432. 8p. 7 maps.
Teller County. Cripple Crk. Mng. Dist.
Sec. 28, Twp. 15 S., R. 69 W.

70. Nineteenth Annual report on Portland Gold Mining Co.: Mine Managers' Reports for the year 1913. page 573. 4p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

71. Report on the Portland Gold Mng. Co., El Paso Co.: (now Teller Co.) Inspector of Mines' Reports for the year 1897, Vol. 2, page 270. (1894) 3p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

72. Report on the Portland Gold Mng. Co., El Paso Co.: (now Teller Co.) Inspector of Mines' Reports for the year 1897, Vol. 2, page 271. (1895) 3p.
Teller County. Cripple Crk. Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

73. Report on the Portland Gold Mng. Co., El Paso County: (now Teller Co.) Inspector of Mines' Reports for the year 1897, Vol. 2, page 272. (1896) 3p.
Teller County. Cripple Creek Mng. Dist.
Secs. 29 and 32, Twp. 15 S., R. 69 W.

74. Annual report of the El Paso Consolidated Gold Mining Co., for the fiscal year ending Dec. 31, 1905: Mine Managers' Reports, page 372. 6p.
Teller County. Cripple Crk. Mng. District
Sec. 30, Twp. 15 S., R. 69 W. El Paso Tunnel. Chance of '94 Ajax.

75. Report on the Mt. Rosa Mining, Milling and Land Co., Teller County: Mine Managers' Reports for the year 1897, page 187. 1p.
Teller County. Cripple Creek Mining Dist. N.W. ¼ Sec. 32, Twp. 15 S.R. 69 W.

76. Report on the Independence Extension Mng. Co., Teller County: Mine Managers' Reports for the year 1897, page 124. 2p.
Teller County. Cripple Creek Mining Dist.
N. ½ Sec. 32, Twp. 15 S., R. 69 W.

77. Report on the properties of the Lincoln Mountain Mining & Smelting Co., in Cripple Creek Mining Dist., Teller County: Mine Managers' Reports for the year 1901, page 479. 2p.
Teller County. Cripple Crk. Mng. Dist.
4 miles N.W. of Cripple Creek on Bernard Creek about 1 mile north of Rhyolite Mountain. About Twp. 14 S., R 69 or 70 W.

78. Report of the Anchoria-Leland Mining & Milling Co.: Mine Managers' Reports for the year 1902, page 343. 3p.
Teller County. Cripple Creek Mining Dist.
Secs. 18 and 19, Twp. 15 S. R. 70 W.

79. Report on the Major-Loughrey Gold Mining & Milling Co., Teller County: Mine Managers' Reports for the year 1900, page 700 A. 2p.
Teller County. Cripple Creek Mng. Dist.
1-1/2 miles from Cripple Creek.
S. E. ¼ Sec. 2, Twp. 15 S., R. 70 W.

80. Mine Records. Information concerning mining properties and claims gathered from the records of the Colorado State Bureau of Mines, Mine Managers' Reports and Inspector of Mines' Reports for the years 1895 to 1915. Classified by Counties and indexed. Vols.

Colorado State Mining Association.
1. Reports of the Smelter Survey Committee and Sub-Committee of the State Mining Assn. on possible available ores in the Front Range Counties. John T. Joyce, Chairman. 9p. 1929.
Boulder, Clear Creek, Gilpin and Summit Counties.

Colorado State Planning Board.
1. Oil and gas resources of Colorado. Material prepared by R. L. Young. 9p. c1934. tab.
Discusses conditions in the four sections of the state. Reference to oil shale and natural gas. Production tables. Refining plants. Oil shales. Natural gasoline. Helium gas.

2. Foreword to a report on stream pollution and deaths from water-borne diseases in the State Colorado. Committee on Stream Pollution. Prepared by Robert K. Fuller. 3p. n.d.
Relation to industrial development, as well as health, stressed. The purpose of this report is to disseminate information on the problem of stream pollution so that public opinion may be intelligently formed.

Colorado Springs Mining Stock Association.
1. Official summary of certified reports of listed companies. 48 p. 1910. illus.
Teller County. Cripple Creek Mining District.
Also properties not in Teller County.

Colorado Travertine Company.
1. Colorado Travertine stone. (Circular of Company)
Chaffee County. See also Haynes, Justin H., 1. and Park, Allen S., 1.

Colpitt, F.H. Funk, W. A., and Kaminky, John F.
1. Report on the Ottawa group of mining claims, Clear Creek County. 5p. 1907, 1919, 1922.
Clear Creek County. Lincoln Mng. Dist. Yankee Hill, near Silver Lake and Silver Creek.

Consolidated Extension Mines Company.
1. Statement concerning the Central Seventy Acre group. 2p. n.d. map.
Teller County. Cripple Crk. Mng. Dist. Emma Aimee and other claims.

2. Report on the Homestake-Little Caddy group. 3p. n.d.
Teller County. Cripple Crk. Mng. Dist. on Big Bull.

3. Little May Tunnel group. 2p. n.d.
Teller County. Cripple Crk. Mng. Dist. On the strike of the main Independence-Portland-Rose Nicol Cresson north and south ore zone.

Cook, W. Felder.
1. Statement concerning the King Bee group of mines. 4p. 1910.
Gilpin County. Russell Mining District.

Cortellini, John C.
1. Nature has marked many fine sites for finding gold mines: The Herald Democrat, Leadville, Colo., Jan. 1, 1936. 2p.

Craig, John L.
1. Report on the Bessie Junior mining property, La Plata County, 2p. 1936. 2 maps.
La Plata County. California Mng. Dist. West side of La Plata Canon, about 6 miles from La Plata City. About Twp. 37 N., R. 11 W., N.M.P.M.

Crapo, J.B.
1. Comparison of the Skull Creek well log with the Halls Canon section, including reports by Harry A. Aurand and Charles Ryniker. 11p. 1933.
Moffat County. SW/C of Sec. 16, Twp. 4 N., R. 101 W.

Croser, Harry
1. Notes on the development of Gold mining onard in the vicinity of Shavano Mountain, Chaffee County. 2p. 1936.
Chaffee County. Monarch Mng. Dist. Placers.

Crum, R. E., and Prommel, H. W. C.
1. Geologic report on the Escondido Anticlines, Huerfano Co., See Prommel, H.W.C., and Crum, R. E., 1.

D_____, C. W.
1. Report on the properties of the Sacramento Mining Co., together with 3 reports of the Mine Superintendent(1881, 1883) 18p. 1888.
Park County. Mosquito Mng. District
East slope of Sacramento Mountain.

Dall, Thomas A.
1. Report on the Gladiator Gold and Silver Mining Co., concerning the adjoining General Sherman mine, 15p. 1901.
Hinsdale County. Lake Mining District
3 miles south of Lake City.

Dane, C. H., and Pearce, W. G.
1. Geology and oil and gas prospects in part of eastern Colorado.
See U. S. G. S., 3

Danehy, George Welsh
1. Report on the mineral deposits at Kokomo, Tenmile District, Colo.9p. 1934. Claim sheets and maps missing.
Summit County. Ten Mile Mng. Dist. 106° 8' - 106° 16' W. Long., 39° 22' 32" - 39° 30' 30" N. Lat. The object of this preliminary report is to give the owners an idea of the value of the surface equipment and tonnage already mined. Careful discussion of the geology and ore deposits.

Dantziger, C. Tim
1. Reconnaissance report on the Durango Placer Gold Mng. Co. 3p. n.d. map.
La Plata County. On Animas River. Twp. 37 N., Rs. 8 and 9 W., N.M.P.M.

Dantziger, C. Tim, and Oliver, H.L.
1. Reconnaissance report on Mancos Canon Gold Inc. Mining claims in East Mancos Canon. 1p. 1935.
See Oliver, H.L. and Dantziger, C. Tim, 1.

Deems, C. W.
1. Statement concerning property of Argosy Gold Mng. & Milling Co. Maud S. and Harrison claims. 1p. 1933. map.
Gilpin Co. Russell Gulch Mining District.

Del Monte Mining and Milling Co.
1. The Del Monte Mining and Milling Co., Complainant vs. the New York and Chance Mining Co., Defendant. State of Colorado, County of Arapahoe. Affidavit of Theodore E. Schwarz, filed in the U. S. Circuit Court, District of Colorado. Sept. 17, 1894. 3p.
Mineral County. Sunnyside Mining Dist.

2. The Del Monte Mining and Milling Co. vs. The New York and Chance Mining Co. Opinion on Motion for Injunction. Hallett, J. 3127. Del Monte Mining and Milling Co. vs. The New York and Chance Mining Co., filed March 13, 1895. U. S. Circuit Court, District of Colorado. 2p.
Mineral County. Sunnyside Mining Dist.

Dennison, James
1. Report on the Oro Fino group of claims, La Plata County. 1p. 1929.
La Plata County. California Mng. Dist. Secs. 22, 26 and 35, Twp. 37 N., R. 10 W., N.M.P.M.

Denver Fire Clay Company
1. Report on refractories made for the Denver Fire Clay Company. 9p. n.d.
Brief description of refractories, other than fire clay, classified as (a) acid, (b) basic, (c) neutral; together with tests of fire clay brick.

Dickerman, E. D.
1. Report on the proposed Leadville Mining Dist. drainage tunnel. PWA Form 156. 9p. 1935.
Lake County. California Mining District.

Dittus, E. J.
1. Report on the Sheep Mountain property. 5p. 1916.
Gunnison County. Rock Creek Mng. Dist. base of Sheet Mountain 5 miles from Marble.

Donaher, Phillip J.
1. Statement concerning the Grummer mine. 1p. 1936.
Fremont County. Cotopaxi Mng. District. 7 claims and mill site, 1 mile north of Cotopaxi.

Downer, R. H.

1. Report on the Bimetallist-Hawkeye claims San Juan region, Ouray County, Colorado. 4p. n.d. map.
   Ouray County. Camp Bird Mng. Dist. About 7 miles from Ouray in a southwesterly direction on the southeast slope of Mount Potosi.

Dutton, George W.

1. Report on the Consolidated mining holdings of the Sternberger Bros., consisting of the Pennsylvania Mining, Power & Reduction Co., the Lucania Mines and Tunnel Co., the Fall River Power Company, the Lotus group of mines, the Rara Avis mine and others. 24p. 1918.
   Clear Creek and Gilpin Counties.
   In 16 mining districts and covering an area of about six miles square.

Dwelle, J. E.

1. Report on the Daisy group, Redwell Basin, Gunnison County. Colo., 4p. n.d. 2 maps.
   Gunnison County. Elk Mountain Mng. Dist. $6\frac{1}{2}$ miles by trail N.W. of Crested Butte. Assays by L. E. Paddison, 1926.
   Twp. 13 S., R. 86 W.

Dwinell, W. H.

1. Report (based on conversations with Mr. Z. R. Stocker) on the stocker claims in the Consolidated Montgomery Mng. Dist. 3p. 1936.
   Park County. Consolidated Montgomery Mng. Dist. about 12 mi. N. of Alma.

Emmons, Samuel Franklin

1. Geographic relations: Tenmile District between meridians 106° 8' and 106° 16' of longitude west from Greenwich and the parallels 39° 22' 30" and 39° 30' 30" of north latitude. 1p. 1896.
   Summit County. Ten Mile Mng. District.

Emmons, William H.

1. Report on the Neglected mine and nearby properties in La Plata County, 4p. 1904. map.
   La Plata County. California Mng. Dist. Near the head of Junction Creek in Oro Fino District.
   Sec. 26, Twp. 37 N., R. 10 W., N.M.P.M.

Enrich, F. B.

1. Report on the Garmesa gas field, Garfield and Mesa Counties, western Colorado. Prepared for the Fulton Petroleum Corp. 9p. 1930.
   Garfield and Mesa Counties. Garmesa Gas Field. Twps. 7 and 8 S., Rs. 102 and 103 W. Garmesa Anticline. Well logs and Gas analysis, Gypsy Oil Co. well, Carbon Dioxide Gas, Natural Gas, Book Cliffs.

2. Reconnaissance geological report on White River Dome, northwestern Colorado. 5p. n.d.
   Rio Blanco County. White River Gas Field. White River Dome, about 20 miles west of Meeker, near the junction of White River and Piceance Creek.
   Twps. 1 and 2 N., Rs. 96 and 97 W.

Ernest, R.H.

1. Lotus oil well No. 1, near Lamar, abandoned: Newspaper clipping. 1p. 1936.
   Prowers County. Sec. 15, Twp. 23 S., R. 46 W., near Lamar.

Evans, W. S.

1. Report on the Neglected mines La Plata County, 13 patented claims near the head of Gaines Creek, about 15 miles from Durango, 5p. n.d. map.
   La Plata County. California Mng. District Sec. 26, Twp. 37 N., R. 10 W., N.M.P.M.

Fair, Fred A.

1. Report on the mining estate of the Sunshine Group of mines located in Gold Hill Mining Dist. Boulder County. 35p. 1933.
   Boulder County. Gold Hill Mng. District.

2. Report on the Pandora group of mines, located on Pomeroy mountain, Grand Island Mng. Dist. Boulder County, Colorado and the Develing Pandora mining claims, Caribou Mining Dist. Boulder County. Owned by Pandora Metals, Inc. 6p. 1927.
   Boulder County. Grand Island and Caribou Mining Districts. silver.

3. Report on the Comstock group of mines, property of the Pandora Metals, Inc. 6p. 1928.
   Boulder County. Grand Island Mng. Dist. Caribou Hill. silver.

Fair, Fred A. (Cont'd.)

4. Geological report on Wood Mountain mine, Boulder County, Sugarloaf Mng. Dist. 17p. 1930.
   Boulder County. Sugarloaf Mng. Dist. on southern slope of Wood Mountain, 9 mi., from Boulder. Ingram placer, Gardner P. Wood placer.

5. Preliminary report on the Grand Republic group of mines, Boulder County, Colorado. 9p. 1930.
   Boulder County. Sugarloaf Mng. Dist. Sec. 19, Twp. 1 N., R. 71 W. on Logan Hill.

6. Preliminary report on Chingis Kahn-Poorman Relief group of mines, Boulder County. 21p. (15) 1930.
   Boulder County. Central Mng. Dist. Secs. 21, 22, 27 and 28, Twp. 1 N., R. 71 W. on Poorman Hill, 3 mi., N.W. of Boulder.

7. Geological survey of the tungsten mines in proximity to the Clark Tunnel at Tungsten, Boulder County. 6p. 1931.
   Boulder County.

8. The Oregon and the Little Patsy Feldspar mines, Jefferson County, Colo. 9p. 1930.
   Jefferson County.
   Between the north fork of the South Platte and the main South Platte River. 6.1 miles from Buffalo, Colorado.

Fair, Fred A., Chase, A. E., and others.

1. Report on the Logan group of mines of the Logan Metals Co., 3p. n.d. Supplemented by reports of A. S. Coan, 1p. n.d., W.B. Hayes, 1p. 1905, Fred A. Fair, 4p. 1917.
   See Chase, A. E., Fair, Fred A., and others, 1.

Fair, Fred A., and George, R. D.

1. Report on the Caribou mine, Boulder County, preceded by a summary of the report. 50p. 1919.
   Boulder County. Grand Island Mining District.
   Sec. 8, Twp. 1 S., R. 73 W., on the north slope of Caribou Mountain. See George, R. D., and Fair, Fred A. 1.

2. Report on the Boulder County mine, Boulder County, Colorado. 140p. 1919.
   Boulder County. Grand Island Mng. Dist. Secs. 8, 9 and 10, Twp. 1 S., R. 73 W. East of Caribou on Boulder County and Idaho Hills. See George, R. D. and Fair, Fred A., 2.

Fanning, John P., and Smith, George A. Lacey.

1. A report on the oil possibilities of the Roggen Anticline, Roggen, Weld County, Twps. 1, 2 and 3 N, Rs. 61, 62 and 63 W., and Twp. 1 S., R 62 W. 5p. 1921.
   Weld County. (No second copy of report)

Farish, Fred G.

1. Supplementary report on the Prussian Gold Mng. Co., Boulder County. 6p. 1913.
   Boulder County. Gold Hill Mng. Dist.

2. Report on the Old Kentucky Mining Company's properties, Gilpin Co. 2p. n.d.
   Gilpin County. Perigo Mng. Dist. $2\frac{1}{2}$ miles N. of Central City and $1\frac{1}{2}$ miles south of the Perigo mine.

Farish, William A.

1. Report on the Springdale or Gold Rock mine of the Alcalde Gold Mining Company, Gilpin County. 4p. 1897.
   Gilpin County. Russell Gulch Mng. Dist. Head of Russell Gulch on boundary line of Clear Creek County.

Fisher, C. A.

1. Compilation of chemical data concerning well known mineral waters. 5p. n.d. chart.
   El Paso County. Manitou, (Colo. Sprgs.) A statement of the chemical character medical properties, or therapeutic value of the various well-known mineral waters throughout the United States and Europe, with analyses.

Flood, J.N.

1. Report on the sampling operation and testing of the Caribou- Poorman ores. 1913.
   Boulder County. Grand Island Mng. Dist. This report forms a part of the report by George, R. D. and Fair, Fred A., 2. "Exhibit H."

Fooks, Rupert J.
1. Report on the G. W. T. mine, 2p. 1936.
Clear Creek County. Idaho Springs Mng. Dist. about 3 mi. S. of Idaho Springs.

Foster, E. I.
1. Report on the Tucker mine. 2p. n.d.
Gilpin County. Quartz Valley Mining Dist. 1 mile N. W. of Central City.

Foster, Ernest Le Neve, and Smith, Jr., Chas. A.
1. Report on the Neath mine, with assays by Ernest Le Neve Foster, 1906, and a supplementary report by Charles A. Smith, Jr. 11p. 1932. 2 maps.
Clear Creek County. Upper Union Mng. Dist.

Fryer Hill Mines Company, Leadville, Colorado.
1. Annual report of James W. Newell, General Manager. 6p. 1903.
Lake County. California Mng. District. Sec. 19, Twp. 9 S., R. 79 W.

Fuller, Fred A.
1. Extracts from addenda report concerning the Barnes-Gauntlet group of gold mines. 4p. 1932.
Gilpin County. Central Mining District.

Frank, Walter A.
1. Extracts from a report on the Arctic lode mining claim in Gilpin County by Walter A. Funk, M. E. 3p. 1911.
Gilpin County. Blackhawk Mng. District near the summit of Blackhawk, about 1 mile southeast from Central City.

2. Report on the Kelleher group of lode claims. 2p. n.d.
Gilpin County. Independence Mng. Dist., in South Moon Gulch. About 2½ miles southwest of Rollinsville. Twp. 2 S., R. 73 W.

Funk, W. A., Kaminky, John F., and Colpitt, F.H.
1. Report on the Ottawa group of mining claims, Clear Creek Co., 5p. 1907, 1919, 1922.
See Colpitt, F.H., Funk, W. A., and Kaminky, John F., 1.

Garfield Vanadium Corporation.
1. A brief statement concerning the holdings of the company, 2p. n.d. map, illus.
Garfield County. Twp. 5 S., R. 92 W. 10 miles northeast of Rifle, Colorado.

George, R.D.
1. The Rockies a storehouse of riches. pp. 31-35. See University of Colorado, 1.

George R. D., and Fair, Fred A.
1. Report on the Caribou mine, Boulder County, preceded by a summary of the report. 50p. 1919.
Boulder County. Grand Island Mng. Dist. Sec. 8, Twp. 1 S., R. 73 W., on the north slope of Caribou Mountains.

2. Reports on the Boulder County Mine, Boulder County, Colorado. 140p. 1919.
Boulder County. Grand Island Mng. Dist. Secs. 8, 9 and 10, Twp. 1 S., R. 73 W. East of Caribou on Boulder County and Idaho Hills.

Gilpin County Chamber of Commerce.
1. Topographical map of Gilpin County, and official information as to the mineral industry of the county. One of the greatest gold bearing districts on earth. Issued by the Gilpin County Chamber of Commerce, Central City, Colo. Geo. W. Schneider, M.E. George S. Clason, Draftsman.
Gilpin County. Enumerates the mining districts and names the properties in each.

Gold Pit Placer Co.
1. Report on the Gold Pit Placer Company. 4p. n.d. 3 maps.
Clear Creek County. Grass Creek Mining District. Daniel Aspel Placer.

Gould, Charles N.
1. Report on Black Hills Area, Las Animas County, Colorado. 4p. 1934.
12 miles north of Trinidad. Black Hills area.
Secs. 7, 18 and 19, Twp. 31 S., R. 63 W. and in Secs. 9, 10, 11, 12, 13, 14, 15, 22, 23 and 24. Twp. 31 S., R. 64 W. Hogback area, Sec. 30, Twp. 30 S., R. 64 W.

Greene, F. C.
1. Operation data, costs, etc. re: Greene-Laucks process. 4, 3, 2, 1p. 1920.
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1. Report on Plomo mining property. (Rito Seco properties.) 1909. See Ritter, Etienne A., 2. (Sec. 9)

Gunther, Charles Godfrey
1. The gold deposits of Plomo, San Luis Park, Colorado. 1906.
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Hager, Dorsey
1. Southeastern Colorado possibilities. Overlooked section has been studied by geologists since finding of oil in Cimarron County, Oklahoma: Oil and Gas Journal, Sept. 8, 1927.
Las Animas County area: Bent, Otero and Las Animas Counties. This paper is a study of the Pennsylvania and pre-Pennsylvania areas on the Sierra Grande Arch. Expected oil area.

Haldane, W.G.
1. Letter of W. G. Haldane on ore samples from Ballarat property. 1p. 1934.
Boulder County. Ballarat Mining District.

Hamilton, Claude C.
1. Statement concerning the Willow Run. Claim, Survey No. 629, on Sugarloaf Mountain. 1p. 1895.
Boulder County. Sugarloaf Mng. District.

Hand, George H.
1. Report on the property of the La Plata Gold Mining Company. La Plata County. 20p. 1910.
La Plata County. California Mng. Dist. Twp. 37 N., R. 10 W., N.M.P.M. 15 miles northwest of Durango.

Harrison, Robert W., and Horn, Clifford R.
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Harrison, Thomas S.
1. Report on Wray Dome. Yuma County. 3p. 1924.
Yuma County. Wray gas field. Drilling advised in N. W. cor. sec. 28, Twp. 2 S., R. 43 W. Black Wolf and Arikaree Anticlines.

Haynes, Justin H.
1. Travertine - one of Colorado's natural resources: Engineers' Bulletin, July, 1931. 1p.
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Heizelman, Frank
1. Mining lease and option on property of Frank Heizelman, Crescent lode, Grand Union lode and St. Mary's lode, all being Survey No. 5327, in the Central Mng. Dist. in the County of Boulder and State of Colorado. 2p. 1932.
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Heller, A. H.
1. Supplemental report upon the property of the King Bee M. & M. Co. (Additional to report of Thomas Tonge, under date of Oct.4, 1906) 2p. 1906.
Gilpin County. Russell Mng. District.

Hellier, Edward
1. Pipe line from Wellington to Denver, Colo. 4p. n.d.

Henley, Charles H.
1. Geology of an area near Walsenburg, Colo. with reference to oil and gas possibilities. 2p. 1936.
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1. If memory comes he'll be wealthy. But Heon Hastings' old partner, who found rich mine on Mt. Elbert, is in an Asylum: Herald Democrat, Leadville, Colorado, June 8, 1912. 5p.
Lake County. Near Twin Lakes Marc Jones' lost mine.

Hider, George
1. Report on Polar Star Consolidated Mines, San Juan Dist. Engineer Mountain, San Juan County, Colo. 8p. 1932.
San Juan County, Uncompahgre Mng. Dist., about 7 miles S. E. of Ouray on the north slope of Engineer Mountain. Sec. 19, Twp. 43 N., R. 6 W.

Hill, A.J.

1. Statement concerning the Marten estate mines, Porto Rico, Freeport, Oldenburg and Admiral Togo, with assay sheets. 1p. 1936.
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Hills, Victor G.

1. Report on the Creede Flat Vein. 4p. 1921.
   Mineral County. Creede Mining District Bachelor Mountain.

Holden, George B.

1. The Albion group of mines. Ward, Boulder County. 4p. n.d.
   Boulder County. Snowy Range Mining District. Near Ward.

Holland, John C.

1. Industrial engineering report on Barnes group of mines and Polar Star Mill. 2p. 1933.
   Gilpin County. Quartz Hill Mng. District.

Holloman, Roy

1. Report on the Timpas Dome, 3p. 1926. map.
   Otero County. S. W. ¼. Twp. 26 S., R. 57 W.

2. Report on the Red Rock structure. 2p. n.d. map.
   Las Animas County. Twp. 29 S., Rs. 55, 56 W.

Holmes, Richard W.

1. Report on the Iron Mask group of mines. 14p. 1935.
   Clear Creek County. Morris Mining Dist. Sec. 18, Twp. 3 S., R. 73 W.

Holmes, W. H.

1. The San Juan Banket. 2p. 1908.
   Ouray County. Red Mountain Mining Dist. Near the head of the tributaries that unite to form Cobb Gulch and Dry Creek on the north and Cutler Creek on the south. Below Baldy Mountain. Twps. 44 and 45 N., R. 8 W., N.M.P.M.

Holmes, W. I.

1. Statement concerning the Mother of Gold and Daughter of Gold lode mining claims 2p. 1935.
   Boulder County. Central Mng. Dist., 1½ miles from Jamestown.
   S. W. ¼ Sec. 20, Twp. 2 N., R. 71 W.

2. Statement concerning the Bluestone lode claims Nos. 1, 2 and 3 . 2p. 1935.
   Boulder County. Grand Island Mng. Dist.

3. The Tungsten King mines. 1p. n.d. Unsigned report in possession of W. I. Holmes.
   Boulder County. Magnolia Mining District.

4. Statement concerning the Mammoth, Britannic, Tamor, British Empire and Prince of Wales lode mining claims. 3p. 1935.
   Boulder County. Sugarloaf Mining District. Sec. 10, Twp. 1 N., R 71 W., near Wall St.

5. Tungsten properties Memorandum on Sylvia lode, Snowbound lode. 1p. n.d.
   Boulder County. Sugarloaf Mining District. Gordon Gulch, 3 miles from highway.

6. Statement concerning the Colorado lode mining claim, Survey No. 20071. 2p. 1935. map.
   Boulder County. Ward Mining District. Sec. 6, Twp. 1 N., R. 72 W. at Ward.

7. Statement concerning the Mann-Wyatt Placer Co., 3p. 1935.
   Boulder County. Ward Mng. Dist. Secs. 19 and 24, Twp. 1 N., R. 73 W. along Four Mile Creek, between the old camps of Sunnyside and Sunset.

8. Statement concerning the Gold Hill group of claims. 3p. 1935. map.
   Chaffee County. Trout Creek Mng. Dist. Sec. 23, Twp. 14 S., R. 78 W., 5 miles east of Buena Vista.

9. Statement concerning the Burns lode mining claim. 2p. 1935.
   Clear Creek County. Morris Mng. Dist. 2 miles from Dumont.

10. Statement concerning the Pioneer Extension, Ben Harrison and John Russell group of claims. 3p. 1935.
    Clear Creek County. Morris Mng. Dist. In S. W. corner of Sec. 18, Twp. 3 S., R. 73 W. at Dumont.

11. Statement concerning the properties of the Shafter Mining Company. 3p. 1935.
    Clear Creek County. Spanish Bar Mng. Dist. Secs. 33 and 34, Twp. 3 S., R. 72 W, about 1 mile from Idaho Springs.

Holmes, W. I. (Cont'd.)

12. Brief report on the East Blackmore tract. 1p. 1935.
    Costilla County. El Plomo Mng. Dist. Secs. 14, 23, 26, Twp. 32 S., R. 71 W. 10 miles northeast of San Luis.

13. Statement concerning the Golden Eagle, Ora, Auriferous and Kankakee lode mining claims by 2p. 1935.
    Gilpin County. Independence Mining District, 2 miles from Rollinsville.

14. Statement concerning the unpatented lode claims: Arnold No. 1, 2 and 3 and Arnold extension No. 1, 2 and 3. 2p. 1935.
    Gunnison County. Box Canon Mng. Dist. Sec. 35, Twp. 49 N., R. 4 E., 3 miles from Crookston.

15. Golden Fleece Mine. 1p. n.d.
    Hinsdale County. Lake Mining District, 2,500 feet west of the north edge of Lake San Cristobal on the easterly slope of a flat topped mountain about 11,800 feet high.

16. Molybdenum mining property No. 1, Adjoining Molybdenum Co. property, Climax, Lake County. Unsigned memorandum in possession of W.I. Holmes. 1p. n.d.
    Lake County. Harrington Mng. District.

17. Statement concerning the Wyandotte-Apex Gold Mining Co. 2p. 1935.
    Park County. Buckskin Mng. Dist. Sec. 20, Twp. 8 S., R. 78 W., 4 mi. W. of Alma.

18. Statement concerning the Blue River Placer No. 1. 4p. 1935.
    Summit County. Blue River Placer Dist. In Secs. 13 and 14, Twp. 2 S., R. 80 W. on sides and banks of Blue River.

19. Wapiti group, Breckenridge, Colo. Gold Run Dist., located in French Gulch and tributaries, and lode on adjoining Francomb Hill. 7p. n.d.
    Summit County. Gold Run District.

Homes, E. L.

1. Report on Paymaster group of mines made in 1902. 3p. 1902.
    Summit County. Snake River Mng. Dist. Near Argentine Pass, southern slope of Gray's Peak.

Horn, Clifford R.

1. Oil in northwestern Colorado. 5p. 1929.
    Rio Blanco County. White River gas field. White River Dome, between the south of Piceance Creek. Piceance Anticline, natural gas.

2. Report of an interview with Mr. E. C. Eastman on the Gregory-O'Neil group. 1p. 1936.
    Gilpin County. Gregory Mining District.

Horn, Clifford R., and Harrison, Robert W.

1. Report on Wellington-Fort Collins field. 12p. 1933. 2 maps.
    See Harrison, Robert W., and Horn, Clifford R., 1.

Horn, R.C.

1. White River gas and oil are attracting attention of world to this section: Grand Junction Daily News (Colo.) Oct. 3, 1920. 3p. Rio Blanco Co. White River gas field.

Hoskin, Arthur J.

1. Report on the Lloyd group. 6p. n.d. 2 maps.
    Ouray County. Imogene Basin Mining District, about 3-3/4 miles from Ouray. Western slope of Hayden Mountain.

Humboldt Consolidated Mining Company.

1. Extracts from prospectus filed by Humboldt Consolidated Mng. Co. Nov. 23, 1935. Properties in Clear Creek County. 5p. 1935.
    Clear Creek County. Chicago Creek-Ute Creek Mng. Section, 5 mi. S. W. of Idaho Springs.

Hunter, J. Fred

1. Report concerning an out-lier of the coal-bearing rocks of the Grand Mesa coal fields of western Colorado.
    See U. S. G. S., 9.

Ionides, S. A.

1. Report on the Greene-Laucks coal distillation process. 8p. 1921.
    The object of this process is the manufacture of oils, oil products and a smokeless, solid fuel, which is particularly well adapted to household use from coals. The feature of the process is the carbonizing of coal under mechanical pressure in a continuously operating retort.

Ionides, S. A. (Cont'd.)

2. Preliminary report on Greene-Laucks installation in Colorado. 9p. 1929. (map missing.)
   Source of coal: Location of mines and type of coal (coking) in the southern Field (Colo.)

3. Report on project for the installation of plants for reclaiming crank case drainings and the manufacture of a product for decolorizing the same. 10p. 1925. (Plant drawings missing)
   Part 1. Plant installation.
   Part 11. Manufacturing of Gelisel (using Averyite or other clays)

Iron Silver Mining Company.

1. Report of the Iron Silver Mng. Co. for the year 1915. George O. Argall, Treas. 5p. 1916.
   Lake County. California Mng. Dist. Moyer mine; Tucson mine; Blind Tom mine. Proserpine and Cumberland lode claims. Sur. 5214. Nisi Prius Consolidated Mng. Co. New Marian Consolidated Mng. Co. Devlin. R. A. M., Cyclone lodes.

2. Letter to the Executive Committee submitting plans for remodeling the concentrating mill. June 24, 1899. 3p. Theodore E. Schwarz.
   Lake County. California Mining District.

3. Report of the Mine Manager for the years 1900 and 1901. 6 - 7p. From the file of Theodore E. Schwarz.
   Lake County. California Mng. Dist. Sec. 30, Twp. 9 S., R. 79 W.
   Moyer and Tucson shafts.

Jenks, William

1. Report on the North Park and Vandalia Mng. and Smelting Company's property at Teller City, Grand County. 8p. 1883.
   Grand County. Grand Lake Mng. District Southeast corner of North Park.

Jenners, Walter B.

1. Report on the Lotus group of mines. 9p. 1908.
   Gilpin County. Russell Gulch Mng. Dist. About 2 miles south of Central City, on the southeastern slope of Quartz Hill and across Russell Gulch on the northwestern slope of Pewabic Hill.

Joyce, J.T.

1. Report on Idaho Tunnel in Clear Creek County. 2p. 1934.
   Clear Creek County. Idaho Springs Mining District.

2. Mining in Colorado is now on the upgrade: Herald Democrat, Leadville, Colo. Jan. 1, 1935 2p.

Juhan, Joe L.

1. Report on Sheep Mountain Tunnel. 4p. n.d.
   Gunnison County. Rock Creek Mng. Dist. At Crystal, 6 mi. southeast of Marble.

Kaminky, John F., Colpitt, F. H., and Funk, W. A.

1. Report on the Ottawa group of mining claims, Clear Creek County, Colorado. 5p. 1907, 1919, 1922.
   See Colpitt, F. H., Funk, W. A., and Kaminky, John F., 1.

Keen, Perry

1. Pueblo County oil fields. Report given by Mr. Perry Keen to the Oil Committee of the Pueblo Chamber of Commerce. 5p. 1925.
   Pueblo County. Development in this section reviewed. Form of leases discussed. Baxter Prospect - Sec. 30, Twp. 20, R. 63 W.

Kellogg, A. W.

1. Report on the Lexington group of mines, with record of shipments. 8p. 1892, 1899.
   Clear Creek County. Gold Dirt Mng. Dist. 2½ miles south of Idaho Springs. With this is bound a report by Frank S. Winser.

Kennedy, George A.

1. Report on a portion of the general area of the San Juan Quadrangle (1931); together with a supplemental report on a portion of the San Juan Quadrangle with special reference to the Uncle Sam and other veins within the Ariadne Holdings, 1932. 10 - 3p. 1932. map.
   San Juan County. Animas Mng. Dist. Twps. 41 and 42 N., Rs. 7 and 8 W., N.M.P.M. Gold Hub Mines Co., vein system, see map.

Kessler, F. C.

1. The Canon City embayment. 4p. n.d.
   Fremont County: Notes on the geology and minerals of the area.

Kirk, R.R.
1. Report on the properties of the Hamilton Gold Mining & Milling Co., in the Jo Davis Mng. Dist. Summit County, Colorado. 3p. 1901.
Summit County. Jo Davis Mng. District.

Kleff, J.M.
1. Report on Canterbury Tunnel. 2p. 1928.
Lake County. California Mining Dist.
Mine drainage.

Kleff, J.M.
2. Drainage tunnel would restore prosperity here: Herald Democrat, Leadville, Colo. Jan. 1, 1935. 2p.
Lake County. California Mng. District.

Knight' D. A.
1. Report on the Mattie Consolidated Mines, Inc. 13p. 1931. map.
Clear Creek County. Idaho Springs Mining Dist. 2½ miles W. of Idaho Springs.

2. Report on the McAllister mine. 7p. n.d.
Gilpin County. Central City Mng. Dist.

Knowles, S. A.
1. Mining cost proposal (Rito Seco Properties) 1911. See Ritter, Estienne A., 2 (Sec. 8.)

Lakes, Arthur
1. Natural gas in Colorado: Mines and Minerals, Vol. 18, 1899. p. 340. 1p.
Rio Blanco County. White River. Gas field 20 miles west of Meeker.

2. Fuel resources of Colorado: American Geologist, vol. 8, 1891. pp. 15-16.
Rio Blanco County. White River Field 20 miles west of Meeker.

Lanzendorf, William
1. Statement submitted by William Lazendorf concerning the L. & S. claims N. 1 and No. 2, located in Green's Gulch. 2p. 1936.
Chaffee County. Monarch Mng. District.

Laucks, Irving F.
1. Low temperature tars resulting from the Greene-Laucks process. 8, 11p. 1925; 1p. 1930.
Accompanied by a report on the refining of approximately one ton of crude oil obtained by carbonizing Colorado coal,

Laucks, Irving F.
1. (Cont'd.)
during 1920 and 1921, by the Greene-Laucks process of Low Temperature Carbonization. See also Greene, F.D., 1. and Ionides, S. A., 1, 2.

Lavington, Charles S., and Perini, Jr., V.C.
1. Divide Creek Anticline, Garfield and Mesa Counties, Colo. Geology by V.C. Perini, Jr. and Charles S. Lavington, assisted by James Duce, State Inspector of Oils.
See Perini, Jr., V. C., and Lavington, Charles S., 1.

Leahy, J.M.
1. Statement concerning the Loyal group of lode and vein mining claims. 1p. 1936.
Pitkin County. Columbia Mng. District.
About 12 miles from Aspen.

Lee, Willis T.
1. Record of drilling wells near Denver (Sable), Wellington and Dover, Colo., and their bearing on the Cretaceous and Tertiary formations of eastern Colorado. 10p. 1917. map. (W. T. Lee)
Adams, Larimer and Weld Counties.
See U. S. G. S., 5.

Oil in Basalt near Trinchera, Colorado. Notes by W. T. Lee, 3p. 1909.
Las Animas County. See U.S. G. S., 7.

Continuity of formations in western Colorado and eastern Utah. Willis T. Lee. 41p. 1926. 5 maps. 13,908 Dept. of the Interior.
Colorado. See U. S. G. S., 33.

Le Maistre, H.
1. Report on The Trenton-Jefferson City mining claims. Upper Union Mining Dist. Clear Creek County, together with statement concerning property, by Louis Wagner. 5p. n.d.
Clear Creek County. Upper Union Mng. Dist.

Lindemann, E. C.
1. Report made, by request, to a St. Louis party, on the Stewart lode mining claim, with copy of a prospectus issued before 1894. 10p. 1899.
Gilpin County. Hawkeye Mng. District.

Litchfield, J.H.

1. Statement concerning the property of J.H. Litchfield in San Miguel Co. 5p. 1928.
   San Miguel County. Upper San Miguel Mng. Dist. Secs. 17 to 20, Twp. 42 N., R. 8 W., N.M.P.M.

Lone Wolf Mining Co.

1. Prospectus of The Lone Wolf Mining Company with data as to values and assays, together with letter from J. T. Joyce. 12p. maps.
   San Juan County. Animas Mng. Dist. The Lone Wolf Mines, are a relocation of former Kittimac Mines, in North Fork of Minnie Creek.

Lowrie, Jr., H. W.

1. Geologic report on the Rock Canon Anticline, Pueblo County, Colorado. 3p. 1917. map.
   Pueblo County. Rock Canon Anticline. Black Oil Mining & Development Co. Twps. 20 and 21 S., Rs. 65 and 66 W.

Luis Maria Baca Mining and Development Co.

1. Synopsis of the operation, development and possibilities of the project of the Luis Maria Baca Mining and Development Company. 9p. 1935.
   Saguache County. Baca Ranch No. 4, San Luis Valley, partly on the western slope of the Sangre de Cristo Range.

Lupton, Charles T.

1. Derby Structure, Adams Co., 17p. 1933. 3 maps.
   Adams County. Twps. 2 and 3 S., Rs. 65, 66 and 67 W., 12 miles north of the center of the City of Denver. Well logs.

2. Report on the Branson structure, Las Animas County. 5p. 1923. map.
   Las Animas County. Twp. 35 S., R. 58 W. and Twp. 34 S., R. 58 W. Attached: Logs of wells drilled on Sec. 10-29-24, Colfax County, New Mexico and Sec.6-31-33 Union County, New Mexico.

Mahoney, R. F.

1. Geologic report on the Sunday Mine and associated claims, with assay sheet. 4p. 1934.
   Ouray County. South Fork of Dexter Creek about 4 miles from Ouray.

Marchington, Clarence

1. Report on the Seaton-Hayden group of mines, Clear Creek Co. 4p. 1936. map.
   Clear Creek Co. Idaho Mng. District, 2½ miles north of Idaho Springs on Seaton Mountain.

Marks, John H.

1. A review, compiled from reports on the Consolidated holdings of Sternberger Bros., on the Pennsylvania Mining, Power and Reduction Co., Lucania Mines and Tunnel Co., Lotus group of mines, Rara Avis mine, et al. by John H. Marks. 7p. 1919.
   Clear Creek and Gilpin Counties.

2. Report on mining property of C.M. Gere, et al., the Gold Coin Mng. Syndicate, Manhattan Mng. District, Larimer County. 2p. 1935. 3 maps.
   Larimer County. Manhattan Mng. Dist. Twp. 9 N., R. 73 W. 30 miles west and 12 miles north from Fort Collins.

3. Report on the U. S. Marble Company, Canon City and Salida, Colo,(in which is incorporated a copy of the descriptive report of the U.S. Marble Co. at Canon City and Salida by Peter M. Finnie) by John H. Marks. 17p. c1930.
   Fremont County. Twp. 18 S., Rs.70 and 71 W., 6th P.M., about 5 miles N.W. from Canon City. Twp. 49 N., R. 9 E., N.M.P.M. 5 miles southeast from Salida.

4. Preliminary report, the Timberlake or Fourmile Placer Dist., Moffat Co. 9p. 1915.
   Moffat County. Fourmile Mining District. Twps. 8, 9, 10, 11 and 12 N., Rs. 91, 92, 93 and 94 W., 6th P.M. N.W. of Craig, Colo.

5. The Platte River placers. 13p. c1918. 4 maps.
   Park County. Secs. 17, 18, 19, 20, 28, 29 and 30, Twp. 9 S., R. 77 W. Adjoining the town of Fairplay on the northwest.

Marrs, George Oliver

1. Report on the Gold Anchor group of mines, Pioneer Mng. Dist., Dolores Co. 8p. 1925.
   Dolores County. Pioneer Mining District. Sec. 21, Twp. 40 N., R. 11 W., N.M.P.M. About 5 miles N.W. of Rico.
   #596 Johnny Bull, #1838 Legal Tender.

Martin, R.L.

1. Report on Grange mine. 2p. n.d. with copy of prospectus. 1p. 1915.
   Boulder County. Gold Hill Mng. District. 3-1/2 miles from Salina.

Martin, Samuel G.

1. Treasure Mountain Mines, Inc. 16p. 1927.
   San Juan County. Eureka Mng. District.

Martine, W.J.

1. Report on the Iron Chest group of claims, in the Trout Creek Mng. Dist., Chaffee County: 2p. 1936. 2 maps.
   Chaffee County. Trout Creek Mng. Dist. 16 miles east of Buena Vista.

2. Report on the Ophir lode mining claims. 2p. 1929.
   Custer County. Hardscrabble Mng. Dist. 6 miles southeast of Westcliff.

3. Report on the Cotopaxi group of mines. 4p. 1903.
   Fremont County. Cotopaxi Mng. Dist. North North 10 degrees west of the station of Cotopaxi.

4. Report on vermiculite property in Fremont County. 2p. 1934.
   Fremont County. Gem Mng. Dist. 15 miles from Westcliff. E. $\frac{1}{2}$ of S. W. $\frac{1}{4}$ and W. $\frac{1}{2}$ of S. W. $\frac{1}{4}$, Sec. 33, Twp. 20 S., R. 73 W.

5. Report on the Gold Basin group of mining claims, 2p. 1932. map.
   Gilpin County. Gamble Gulch Mng. Dist. 4-1/2 miles S. of Rollinsville Gamble Gulch.

6. Report on the Dew Drop mining claims. 2p. n.d.
   Gilpin County. Perigo Mng. District. Northeast flank of Tip Top Mountain. Gamble Gulch.

7. Report on the Grand Union group of claims. 2p. n.d.
   Gilpin County. Pine Mng. Dist. 2 miles west of Rollinsville.

8. Report on the Skyline Mng. Co. property 3p. n.d.

Martine, W.J.

8. (Cont'd.)
   Gunnison County. Rock Crk. Mng. Dist. N.W. flank of Treasury Mountain $3\frac{1}{2}$ miles from Marble.

9. Report on the Hinsdale Mng. Company's Properties. 3p. 1929.
   Hinsdale County. Needle Mountain Mng. Dist. 24 mi. north of Bayfield at north end of Box Canon.

10. Report on Criterion property. 6p. n.d.
    Park County. Buckskin Mng. Dist. 3-1/2 miles from Alma.

Massey, Ben. E.

1. Mining engineer's report on the Mermaid mining group of claims. 6p. 1925.
   Boulder County. Ward Mining District 4 miles east of Ward.

2. Report for the Rex Developing Company on their properties in the Central City-Blackhawk Mining District, with a statement concerning the property by W.M.Mikesell and assay sheets. 12p. 1926.
   Gilpin County. Central City-Blackhawk Mining Districts. 1 mile southwest of Rollinsville.

3. Mining engineer's report on the St. Lawrence, St. Lawrence Extension, Extension, Enterprise, and Telluride mining claims. 4p. 1925.
   Ouray County, Red Mountain Mng. Dist. 12 miles south of Ouray.

Mausheim, M. A.

1. Analysis of Fluorspar, etc. 3p. 1933.
   Chaffee County.

Maxwell, Frank A.

1. Report on the Mineral Chief mine and group. 4p. n.d.
   Clear Creek County. Georgetown Mng. Dist. 1 mile from Georgetown.

McCain, Frank O.

1. A brief report on the Geological structure and the oil and gas possibilities of the Watkins-Bennett Anticline. 4p. 1933.
   Adams and Arapahoe Counties. Watkins-Bennett Anticline. Twps. 4 and 5 S., Rs. 63 and 64 W.

(Continued on page 25.)

McCain, Frank O.
1. (Cont'd.)
Hill's Dome Well Log, center of S.E. $\frac{1}{4}$ of S. E. $\frac{1}{4}$ of Sec. 27, Twp. 3 S., R. 64 W.

McCausland, Ross D.
1. Report on Tomahawk-Black Diamond group of gold mines, La Plata County. 2 - 19p. 1936. map.
La Plata County. California Mng. Dist. On west side of La Plata River about 6 miles from May Day on Basin Creek.

2. Report on the May Day mine, La Plata County, Colorado. 17p. 1934.
La Plata County. California Mng. Dist. On the southern slope of the La Plata mountains on the La Plata River.

3. Report on the Animas River placer, La Plata County, with additional comment by W. E. Buchanan, 5p. 1934.
La Plata County. Animas Mining District.

McClave, James M.
1. Report on C. H. Conradson's Fuller's Earth deposit, Stoneham, Colorado. 8p. 1923.
Morgan County. Tested for use in refining oils; methods and results.

McCloin, H. C.
1. Report on Mansfield group of mining claims. 3p. 1928. map.
Lake County. California Mining District. Southern flank of Printer Boy Hill.

McDonald, Jesse F.
1. Mining in the Leadville District of Colo.: Mines Magazine, vol. 25, Oct. 1935 pp. 49-52.
Lake County.

McFadden, C.D., and McFadden, Geo. B.
1. Report on the Mineral Chief mine (letter.) 3p. 2 maps.
See McFadden, Geo. B. and McFadden, C.D.1.

McFadden, George B.
1. Statement and opinion relating to the Iron Mask group of mines. 2p. 1935.
Clear Creek County. Morris Mng. Dist. Sec. 18, Twp. 3 S., R. 73 W. 2 miles north of Dumont.

McFadden, George B., and McFadden, C.D.
1. Report on the Mineral Chief mine (letter) 3p. n.d. 2 maps.
Clear Creek County. Twp. 4 S., R. 74 W.

McFadden, Lyn.
1. Report on the Wyandotte Apex Mining Company, with information furnished by J. W. Clark (1936) 4p. 1935. map.
Park County. Buckskin Mining District. Buckskin Gulch, 7 miles west of Alma.

McLeod, J. D.
1. Report on the oil and gas possibilities of the Douglas Creek Structure, with a brief report on the same structure by Dean E. Winchester. 3p. 1929.
Rio Blanco County.
Twps. 2 and 3., Rs. 101 and 102 W.
Helman Permit: E $\frac{1}{2}$, N. E. $\frac{1}{4}$ N. E. $\frac{1}{4}$. Sec. 6; N. E. $\frac{1}{4}$ Sec. 8; N. W. $\frac{1}{4}$ Sec. 9; all of Secs. 4 and 5, Twp. 3 S., R. 101 W.

McLeod, J.N.
1. Report on the Free American and New York lode claims, 4p. 1901. 2 maps.
Gilpin County. Hawkeye Mining Dist. 8 miles from Central City; 1 mile from Perigo.

McNair, Fred J.
1. Report on the survey of the London Option and the conflict with the London and American mines. 3p. 1932.
Park County. Mosquito Mining District. Sec. 7, Twp. 9 S., R. 78 W.

Meeker, Herald
1. Gasoline from natural gas on the White River Dome: Meeker Herald, Feb. 2, 1918. 2p.
Rio Blanco County. White River gas field; White River Dome; natural gas; gasoline.

Miller, Frank C.
1. Early history of Coal Industry. Articles reprinted from former issues, with sketch of his life: Chronicle-News, Trinidad, Colo. Feb. 1, 1931. 6p. 1931.
Chemist of the Colorado Fuel & Iron Co.

Miller, Thomas Rude.

1. Report on the Uncompahgre Placer. 3p. 1911.
   Ouray County. At Ridgeway, Colorado.

Miller, William J.H.

1. Statement of the Moose Mine estate. (The Moose Mine group and also the W. ½ of the W. ½ of Sec. 1, the E. ½ of the E. ½ of Sec. 2, Twp. 9 S., R. 78 W.) 4p. 1917.
   Park County. Consolidated Montgomery Mining District.

Milliken, John Tait

1. Report on the Hoosier mine, the property embracing about 45 patented acres comprising the Hoosier, the south two-thirds of the Frank Lee and Genoa; Iron King, Red Rock and Little Ella and all intervening ground between Frank Lee, Genoa, Little Ella and Red Rock occupies parts of Secs. 7, 8, 17 and 18. Twp. 15 S., R. 69 W., between Globe Hill and Tenderfoot Hill. 3p. n.d.
   Teller County. Cripple Crk. Mng. Dist.

2. Report on the Logan Tract mining property, with a memorandum of information concerning the Homestake lode, Survey 8760 Am. 8p. 1934.
   Teller County. Cripple Creek Mining Dist. 35 acres east and south of the Golden Cycle mine. Underlying the City of Goldfield, Secs. 28 and 29, Twp. 15 S., R. 69 W.

Mine Records

See Colorado State Bureau of Mines, 80.

Mitchell, A. J.

1. Report on the Black Queen mine. 5p. n.d.
   Gunnison County. Rock Creek Mng. Dist. 3-1/2 miles from Marble on Sheep Mountain.

Murray, C. Richard

1. Geology and ore deposits of the adit tunnel and Co,umbia mine, Ward, Colorado. 13p. 1934. 3 maps.
   Boulder County. Ward Mining District ½ mile south of Ward. Sec. 12, Twp. 1 N., R. 73 W. A Thesis submitted to the Faculty of the Graduate School of the University of Colorado in partial fulfillment of the requirements for the degree of Master of Science, Department of Geology.

Nelson, A.P.

1. Mining districts, producing mines and prospective properties (of Gunnison Co.) 14p. n. d.
   Gunnison County. Mining Districts. Comment on the mining properties of the county, arranged by mining districts.

Mines of:	Page
Almont & Taylor River	1
Crested Butte	1
Elk Mt. Mining Dist.	2
Ruby Mining Dist.	3
Rock Creek Mining Dist.	3
Vulcan or Domingo Dist.	5
Cochetopa Mining Dist.	6
Box Canon Mining Dist.	7,10
White Pine	8
Gold Creek, Ohio City	8
Quarz Creek	10
Copper Mt. Tunnel	11
Onyx Marble Quarry, near Pitkin	14
Tin Cup Mining Dist.	14

2. Metals and minerals of Gunnison Co, 6p. n.d.
   Gunnison County. Minerals. A summary of the various metals and minerals, arranged in alphabetical order, that, according to authentic information, have to date been discovered in Gunnison County.

Nelson, W. Porter

1. Report on the Lucky Roy group of mines. 4p. 1934. map.
   Gunnison County. Rock Creek Mng. Dist. ½ mile from Crystal and 5 miles east of Marble, south slope of Sheep Mountain.

2. Report on the Lead King mine and group. 6p. 1935. map.
   Gunnison County. Rock Creek Mining Dist. 7 miles east of Marble.

Naugebauer, Karl E.

1. Report on the Sky City mining property. 3p. n.d.
   Saguache County. Sec. 2, Twp. 2 N., 3 E., N.M.P.M. 25 miles north of South Fork, Rio Grande County.

2. Report on the Green Mountain Mine located in Sec. 27, Twp. 29 S., R. 72 W. 2p. 1936.
   Fremont Co. Royal George Mng. Dist.

News Champion.
1. The Tungsten and Molybdenum Districts of Gunnison County. 3p. n.d.
Gunnison County. Tin Cup and Quartz Creek Mng. Districts, tungsten-hubnerite.

Nicholson, H.H.
1. Report on the properties of the Hamilton Gold Mining & Milling Co., in the Jo Davis Mining Dist., Summit County, Colorado, by H.H. Nicholson, with a letter from O.B. Amsden. 12p. 1901.
Summit County. Jo Davis Mng. District.

Noon, Bernard
1. Report on the Bear Mountain group of Mng. claims. 6p. 1928. (maps missing).
Gunnison County. Rock Creek Mng. Dist. At Crystal, 6 miles from Marble.

2. Report on the Sheep Mountain Tunnel project. 12p. 1919.
Gunnison County. Rock Creek Mng. Dist. At Crystal, 6 miles from Marble.

Oliver, H.L., and Dantziger, C. Tim
1. Reconnaissance report on Mancos Canon Gold, inc. Mining claims in East Mancos Canon. 1p. 1935.
Montezuma County. California Mng. Dist. La Plata Mountains.

Ophir Gold Mines & Reduction Co.
1. Data re: Ophir Gold Mines & Reduction Company properties located in Iron Springs Mining District, San Miguel County, Colo. 5p. n.d. 2 maps.
San Miguel County. Iron Springs Mng. Dist. Along Ophir Creek, 2.7 miles from Ophir Loop.

Osborne, Clarence B.
1. Report on the Walker Hill Anticline. 4p. 1920. map.
Lincoln and Crowley Counties. Walker Hill Anticline: S. W. part of Twp. 17 S., R. 57 W., the S. E. cor. Twp. 17 S., R. 58 W., the N. E. cor. Twp. 18 S., R. 58 W., and the N. W. cor. Twp. 18 S., R. 57 W., 25 miles north of Ordway. Water well data.

Osborne, Elbert Franklin, and Rainwater, Edward Harriman.
1. Geology of the Calumet, Colo. Mng. Dist.

Osborne, Elbert Franklin, and Rainwater, Edward Harriman
1. (Cont'd.)
A thesis submitted to the Graduate School (Northwestern University) in partial fulfillment of the requirements for the degree, Master of Arts, Department of Geology and Geography. Evanston, Illinois. IV, 53p. June, 1934. 5 maps.
Chaffee County. Calumet Mng. District, north of Turret.

Park, Allen S.
1. Colorado now produces travertine: Compressed Air Magazine, November, 1930. 3p. illus.
Chaffee County.

Park, Stark O.
1. Report on the Oro Negro group of mining claims, La Plata County, Colo. 2p. 1932. map.
La Plata County. California Mng. District. 18 miles west of Durango, about 1 mile from May Day. Secs. 23 or 26, Twp. 36 N., R. 11 W., N.M.P.M.

Parsons, Floyd W.
1. Colorado will be Mecca for the oil: Saturday Evening Post, March 21, 1920. 4p.
Mesa County. DeBeque field. This article describes the Oil Shale resources of Colo.

Patrick, W. B.
1. Report on the John Jay mine, of the Acme Mining and Milling Co. 6p. c1936. map. 1p. illus.
Boulder County. Central Mng. District. Near Jamestown.

Paul, W. H.
1. Report on the Ezra R. mine of the Mineral Production Co., near Silverton, Colorado. 12p. 1924. 2 maps.
San Juan County. Las Animas Mng. Dist. Arastra Gulch, near Silverton. Twp. 41 N., R. 71 W.

Pearson, John F.
1. Mining in Gunnison County. 2p. n.d.
Gunnison County.

Pennsylvania Mining, Power and Reduction Company.
1. Property of the Pennsylvania Mining, Power and Reduction Co., in Clear Creek County, Colo.;
(Continued on page 28)

Pennsylvania Mining, Power and Reduction Co.
1. (Cont'd.)
Property of the Pennsylvania Mining, Power and Reduction Company in Gilpin County, Colorado; property of Leopold and Samuel Sternberger in Gilpin County, Colorado; property of Leopold Sternberger in Clear Creek County, Colorado; property of Samuel Sternberger's estate in Clear Creek County, Colorado; property of Leopold Sternberger in Gilpin County, Colorado. 13p. n.d.
Clear Creek and Gilpin Counties. See also Dutton, George W., 1. Jenners, Walter B., 1. Marks, John H., 1. and Sadtler, Benjamin, 1.

Perini, Jr., V. A., and Lavington, Charles S.
1. Divide Creek Anticline, Garfield and Mesa Counties, Colo. Geology by V. C. Perini, Jr. and Charles S. Lavington, assisted by James Duce, State Inspector of Oils. 15p. n. n. d.
Garfield and Mesa Counties. Twps. 6, 7, 8 and 9, Rs. 90 and 91 W.
Divide Creek Anticline.

Petar, A. V.
1. Information circular (6720) Vermiculite. See Sharer, Edward C., 1.

Pinkley, George R.
1. A summary of geological conditions covering southwestern Las Animas County, Colorado. Prepared for the Mountain States Oil Corp. of Denver. 23p. 1931. This report places special emphasis on the possible oil producing structures observed.
Las Animas County. Barela gas field. San Francisco Creek Anticline. Whiskey Creek structure. Drilling suggested: Sec. 19, Twp. 33 S., R. 61 W., Sec. 32, Twp. 33 S., R. 62 W., Sec. 34, Twp. 33 S., R. 62 W., and also on Whiskey Creek.

2. Geological report on Granite outcrop east of Stonewall, Las Animas County, Colorado. 2p. n.d.
Las Animas County. Maxwell Land Grant. Approximately in Sec. 20, Twp. 53 S., R. 68 W.

Place, Richard G.
1. Radium in Boulder County. 1p. 1936.
Boulder County. Central Mng. District. Near Jamestown.

Prommel, H. W. C.
1. Geologic report on the San Carlos Anticline, Pueblo County, Colo. 3p. 1918 map.
Pueblo County. 12 to 16 miles south of Pueblo. Twps. 22 and 23 S., Rs. 64 and 65 W. San Carlos Anticline.

2. Report on the Ray Patterson well of the Platte Valley Petroleum Corporation, Weld County, Colorado. 3p. 1929.
Weld County. Greasewood field. N. W. $\frac{1}{4}$ of the S. W. $\frac{1}{4}$ of the N. E $\frac{1}{4}$ of Sec. 26, Twp. 6 N., R. 61 W.

3. Geologic report on the vicinity of Kit Carson, Cheneyye County, Colo. 6p. 1918 map.
Cheneyye County. Twps. 12 to 16 S., Rs. 46 to 50 W.

4. Reconnaissance investigation of the Wray Gas Field, Yuma County, Colorado, and the Anticline exposed along the Smoky Hill River, Grove, Logan and Scott Counties, Kansas. 4p. 1921. (Under direction of Fisher & Lowrie).
Yuma County. Wray gas field. Twp. 2 S. R. 43 W.

5. Reconnaissance report on the Hidden Dome, Pueblo County, Colo. 3p. 1922. map.
Pueblo County. Twps. 18 and 19 S., R. 65 W. Hidden Dome.

6. Geology and structure of the Badito-Alamo region. Huerfano County, Colorado. 13p. 1927. 2 maps.
Huerfano County. Twps. 26, 27, 28 S., Rs. 67, 68, 69 W.

7. Report on the Emancipation mine, Boulder County, Colorado. 7p. 1929.
Boulder County. Ward Mining District.

8. Brief report on the Kennerly and other lode claims on Whitehouse Mountain, Gunnison County, Colorado. 1p. 1929.
Gunnison County. Rock Creek Mining Dist. From Marble 2 miles to the foot of the trail up Whitehouse Mountain.

9. Report on the Whopper, Teller and adjoining mining claims, Rock Creek Mng. District, Gunnison County, Colo. 12p. 2 maps.
Gunnison County. Rock Crk. Mng. Dist. Sec. 36, Twps. 11 and 12 S. Rs. 86 and 87 W. 9 miles south of Marble.

Prommel, H. W. C. (Cont'd.)

10. Opportunities on the Western Slope. 5p. 1930.
Gunnison County.
This paper is a general discussion of Petroleum and Mineral resources of the western part of the state, with special attention to the mineral resources of Gunnison County.

11. Reconnaissance investigation of the Highland and adjoining mining claims, Idaho Springs District, Clear Creek County, Colo. 1 - 3p. 1929.
Clear Creek County, Idaho Springs Mining District.

Prommel, H. W. C., and Crum, R. E.

1. Geologic report on the Escondido Anticlines, Huerfano County, Colo. 4p. 1927. map.
Huerfano County. Twp. 20 S., Rs. 67 and 68 W., about 10 miles northwest of Walsenburg. Escondido Anticlines.

Purdy, Frank

1. Description of the Peter Sweeney group of claims in the Alice Mining District, Clear Creek County. 1p. 1933. map.
Clear Creek County. Alice Mng. District.

Radium Company of Colorado.

1. Mining report by Production Manager and Superintendent of Mines. 24p. 1922.
Montrose County. Rock Creek Mng. Dist.

Rainbow Gold Mines Company.

1. Referring to the Requa Savage mine on Beacon Hill in the Cripple Creek Dist., owned outright by the Rainbow Gold Mines Company. 2p. n.d.
Teller County. Cripple Creek Mng. Dist.

Rainwater, Edward Harriman, and
Osborne, Elbert Franklin

1. Geology of the Calumet, Colorado Mining District. A. thesis.
See Osborne, Elbert Franklin, and Rainwater, Edward Harriman, 1.

Randell, B. F.

1. Partial report on the Grange mine in Boulder County, Colo. 5p. n.d. map.
Boulder County. Gold Hill Mng. Dist. 4 miles from Salina.

Rank, Samuel A.

1. Report on the Barnes group of mines. Production report. 7p. c1902.
Gilpin County. Illinois Central Mining District. At Central City.

Reed, J. R. *

1. Report on the Gold Nugget group in S. W. ¼, Sec. 12, Twp. 37 N., R. 9W.*, N.M.P.M. 2p. 1936. 2 maps.
La Plata County. California Mng. Dist. On ridge or water shed of the headwaters of the Middle Fork of the Hermosa River.
*R. 10 seems more likely to be correct.

2. Statement concerning the Wayt & Myers group of mining claims situated in Boren Gulch, La Plata County, Colo. 2p. 1936. map.
La Plata County. California Mng. Dist. Between Lily Bell and Tomahawk mines. Secs. 28, 30, Twp. 37 N., Secs. 3 and 4, Twp. 36 N., R. 11 W., N.M.P.M.

3. Report on the Mason Milling and Mining Co. La Plata County, Colo. 4 - 5p. 1936. map.
La Plata County. California Mng. District. In a small canon between Falls Creek and Tripp Gulch. 2½ miles west of Trumble Springs. Secs. 7, 8 and 9, Twp. 36 N., R. 9 W, N.M.P.M.

4. Report on the Lucky Discovery Mine Company, La Plata County, Colo. 3p. 2 maps. 1936.
La Plata County. California Mng. Dist. Secs. 17 and 18, Twp. 36 N., 11 W, N.M.P.M. South and East side of Root Gulch.

5. Report on the May Day Extension Group, La Plata County, Colorado. 2p. 1936.
La Plata County. California Mng. District. Sec. 27, Twp. 36 N., R. 11 W., N.M.P.M. Snow Slide Gulch. "Gustas Brothers Mine"

6. Report on the Cumberland Mine, in Cumberland Basin, La Plata County, Colo. 2p. 1936.
La Plata County. California Mng. Dist. Sec. 24, Twp. 37 N., R. 11 W., N.M.P.M.

7. Report on the Western View mining group, La Plata County, Colo. 5p. 1936. map.
La Plata County. California Mining District. Secs. 30 and 31, Twp. 36 N., R.11 W, N.M.P.M.

* Project Field Investigator.

Reed, J.R. (Cont'd.)

8. Report on Columbus Mines Company, La Plata County, Colo. Lucky Boy, Last Chance, Moonlight, etc. 3p. 1936.
La Plata County. California Mng. Dist. Sec. 19, Twp. 37 N., R. 10 W. and Sec. 24, Twp. 37 N., R. 11 W., N.M.P.M.

Richardson, Charles S.

1. Report on the Caribou Mine. 1877.
Boulder County. Grand Island Mng. Dist. This report forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit C"

2. Report on No Name Mine. 6p. 1879.
Boulder County. Grand Island Mng. Dist. This report forms a part of the report by George, R. D, and Fair, Fred A., 2. "Exhibit E"

Rickard, Forbes

1. Saratoga Gold Mines, Inc. Inspection trip August 28, 1931, with extracts from a prospectus entitled "Official Report on Saratoga Group of Mines comprising Nineteen Patented Claims in Russell Gulch, Gilpin County, Colo." 3 - 4p. 1931. 2 maps.
Gilpin County. Russell Gulch Mng. Dist.

Rickard, T. A.

1. Report on the Golden Fleece mine. 2p. 1904.
Hinsdale County. Lake Mining District.

Riland, James L.

1. Mineral resources of Rio Blanco County, Colorado. 13p. 1936. map.
Rio Blanco County.

Ritter, Etienne A.

1. Report on the properties of the American Fluorspar Corporation, with additional remarks by O.K. Burger. 15p. 1934. 5 maps. 4p. illus.
Chaffee County. Browns Canon Mining Dist. E. ½ Sec. 27, Twp. 51 N., R. 8 E.,N.M.P.M. about 8 miles north of Salida.

2. Report on the Rito Seco mining property located in Costilla County, Colo., by Etienne A. Ritter, preceded by copies of all available reports and data concerning the property. (See index.) 170p. 1934.
Costilla County. Plomo Mng. Dist. About 16 mi. S. E. of Fort Garland. 325 acres in Twp. 32 S., R. 71 W. in the Trinchera Estate.

Ritter, Etienne A. (Cont'd.)

3. Report on the properties of the Santa Eulalia Mines Co., Eagle County, Colorado. 6p. 1923. 2 maps.
Eagle County. Wilkinson Mng. District. Twp. 5 S., R. 79 W.

4. Report on the three groups of mining properties known as the North Pole, the Carbonate-Bon-Ton and the Harris and Farley. 8p. 1935. map. 5p. illus.
Gunnison County. Rock Creek Mng. Dist. Northeasterly slope of Treasury Mountain at Crystal.

5. Report on the Aspen-Riverside mining group, Gunnison County, Rock Creek Mng. Dist. 6p. 1928. 2 maps. 6p. illus.
Gunnison County. Rock Creek Mng. District. Adjoining the town of Crystal.

6. Report on the Morning Star, David H. and Whitepine mining properties, located in the Tomichi or Whitepine Mng. Dist. Gunnison County, Colo. 10p. 1933. 9 maps.
Gunnison County. Whitepine Mng. District.

7. Report on the Durango Girl Mine of the Durango Girl Mine of the Durango Girl Gold Mining and Milling Co., contained in a prospectus of the Company. 6p. 1904.
La Plata County. California Mining District. About 13 miles northwest of Durango, at headwaters of Junction Creek.

8. Report on the Morning Star-Creskill mining property, Alma Mng. Dist., Park County, Colo. 4p. 1926. map.
Park County. Alma Mng. Dist. Eastern slope of South Mt. Bross.

9. Report on the C.O.D. mine located in the Cripple Creek Dist., Colo. 7p. n.d.
Teller County. Cripple Creek Mng. District.

10. Report on the Lady Eleanora Consolidated Gold Mines Company, La Plata, Colo. 10p. 1930.
La Plata County. California Mng. District. One mile from the May Day spur. Secs. 21 and 22, Twp. 36 N., R. 11 W, N.M.P.M.

Robinson, James K.

1. Report on the Boulder Valley mine. Boulder Valley & Golden Key claims. 3p. n.d.
Boulder County. Gold Hill Mng. Dist. On the ridge between Ingram and Emancipation gulches.

Rohlfind, D. P.
1. Aspen's silver mines: Mines Magazine, Vol. 25, October, 1935. pp 29-34.
Pitkin County. Aspen Mining District.

2. Report on the Independence gold property, Pitkin County, Colo., with assay report by Charles O. Parker Co. 7p. n.d.
Pitkin County. Independence Mining Dist. Secs. 1, 2, 11, 12, Twp. 11 S., R. 83 W. and Secs. 6, 7, 8, Twp. 11 S., R. 82 W. East flank of Independence Mountain and east flank of Mt. Hope.

Rohwer, F. W.
1. Pond Creek Anticline. 2p. n.d.
Crowley County. Lincoln County. Twp. 18 S., R. 57 W., Twp. 17 S., R. 57 W., and Twps. 17 and 18 S., R 56 W.

Root, Jr., A. P.
1. Report on the Jewel Mng. Co., claims, La Plata County, Colo. 3p. 1934. map.
La Plata County. California Mng. Dist. On Basin Creek, about 1-1/4 miles west of the La Plata River. Sec. 27, Twp. 37 N., R. 11 W., N.M.P.M.

Rosenberg, Karl D.
1. Preliminary report on the commercial possibilities of the oil shale industry in Colorado, together with some general observations on the "Ute Rock," the "Hope" and the "Federal Annex" groups in Garfield County. 13p. 1918.
Garfield County. Ute Rock group: Twp. 7 S., Rs. 99, 100 and 101 W.
Hope group: Twp. 7 S., R. 95 W.
Federal Annex group: Twp. 5 S., R. 96 W.

Rosenberg, Theodore
1. Report on Hydro-Electric development by the Hille power pipe line in Garfield County, Colorado. 2p. 1924.
Garfield County. Ideal oil shale placer claim. From Cache Creek in Sec. 33, Twp. 7 S., R. 74 W. on land of the No. 14.

2. Statement concerning the Deer Gold Mining Company's property, Donovan, Deer, Ocean Wave and Antelope lodes, 1p. 1901 map.
Lake County. California Mng. District. Secs. 21 and 28, Twp. 9 S., R. 79 W.

Rule, Wm. M.
1. Report on the Finch group of mines, situated in Magnolia Mining District,

Rule, Wm. M.
1. (Cont'd.)
Boulder County, Colorado, with memorandum by D.L. Finch (1910). 5p. 1890.
Boulder County. Magnolia Mining District. Located at Eagle Rock.

Russell, William C.
1. Report on Caribou property. 1916.
Boulder County. Grand Island Mng. Dist. This forms a part of the report by George, R. D., and Fair, Fred A., 2. "Exhibit D"

Russell, William G.
1. Commercial possibilities of Oil Shale industry in America and this section are unlimited: Grand Junction Daily News (Colo.) Oct. 5, 1929. 1p.
Mesa County. De Beque field.
Garfield County. Grand Valley field.
Oil shale.

Sadtler, Benjamin
1. Report on the property of the Pennsylvania Mining Company. 10p. 1898.
Clear Creek and Gilpin Counties. Located between the mining camps of Idaho Springs and Central City.

2. Report on the Henrietta mining group, San Juan County, Colo. 4p. map. assay sheet.
San Juan County. Animas Mining Dist. On a small stream running into Cement Creek at a point about 6 miles from Silverton.

Sanderson, H. S.
1. Report of properties of the North American Mining Co., situated in Clear Creek, Gilpin, Boulder and San Juan Counties, Colorado. 1 - 18p. 1927. 3 maps.
Clear Creek, Gilpin, Boulder and San Juan Counties.

Savage, H.K.
1. Oil shale and its possibilities, with data relating to the production of gasoline from Colorado oil shale. 20 - 67p. (A1-T1). n.d.
Mesa County. De Beque field.

Schneider, Charles M.
1. Report on milling ores in the Rock Hocking mine of the Argentine Gold Mining Company, with report to the company from C. A. Baker, Superintendent. 4 - 2p. 1935.
Park County. Alma Mng. Dist. 2½ miles Southwest of Alma on the Copper Gulch Fault.

Schooley, F.L.

1. Report on the Mammoth mine. 1p. 1934.
   Boulder County. Sugarloaf Mining Dist. Sec. 18, Twp. 1 N., R. 71 W., near Wall Street.

2. Report on the Iron Mask Gold Mines, Inc. 3p. 1934.
   Clear Creek County. Morris Mng. District. Above the town of Lawson.

Schwarz, Theodore E.

1. Report on the Bellman and Amazon lodes, Virginia Canon. 2p. 1879.
   Clear Creek County. Idaho Mng. District. Sec. 22, Twp. 3 S., R. 73 W. Virginia Canon.

2. Report on the Orphan Boy Consolidated Mng. Company on their property at Alma, Park County, Colo. Sept. 15, 1895 with a Supplementary report of Dec. 14, 1896. 11 - 4p. 1896.
   Park County. Mosquito Mng. Dist. On southeastern slope of Loveland Mountain, on the north side of Mosquito Creek, 2½ miles west of Alma. Sec. 10, Twp. 9 S., R. 6 78 W.

3. Magnetic separation with special reference to James W. Neill's patent (zinc ores). 7p. n. d. Unsigned. From the files of Theodore E. Schwarz.

4. Report upon property of Thos. L. Wood at Camp Albion, Boulder County, Colo. 6p. 1906.
   Boulder County. Snowy Range Mng. Dist. Sec. 18, Twp. 1 N., R 73 W.

5. Report on the property of the Four Mile Gulch Mng. Co. 6p. 1904, with a supplementary report. 4p. 1906. 10p.
   Clear Creek County. Enterprise Mng. Dist. Adjoining the town of Black Hawk. Sec. 7, Twp. 3 S., R. 72 W.

6. Report upon the Huntington lode. 2p. n.d.
   Clear Creek County. Griffith Mining Dist. On Saxon Mountain, 2,000 feet above Georgetown. Sec. 8, Twp. 4 S., R. 74 W.

7. Report on the Cave Group property, Fulford Camp, Colorado. 9p. n.d.
   Eagle County. Fulford Mng. Dist. Western slope of New York Mountain. Sec. 19, Twp. 6 S., R. 82 W.

Schwarz, Theodore E.

8. Report on the property of the Hubert Mng. Company in Gilpin County, Colo. 6p. 1895; together with a report by an unnamed auditor. 13p. 1895.
   Gilpin County. Nevada Mining Dist. Sec. 11, Twp. 3 S., R. 73 W.

9. The First Centennial Mine. Gilpin County, Colo. 7p. 1894: together with a description of the property by J.N. Lange. 7p. n.d.
   Gilpin County. Gregory Mng. Dist. Chase Gulch, adjoining Central City and Black Hawk. Sec. 12, Twp. 3 S., R. 73 W.

10. Report to the Captive Inca Mining Company on the position of the Amethyst-Last Chance vein with reference to its property, 1904, with a report upon the identity of the vein cut in its recent workings. 1905. 7 - 3p.
    Mineral County. Sunnyside Mng. Dist. West side of Deer Creek, on Mineral Hill, by road up West Willow Creek. Secs. 2 and 11, Twp. 42 N., R. 1 W.

11. Report on the properties of the Hilda Mng. Co., in the Horseshoe Mng. Dist. 10p. 1897.
    Park County. Horseshoe Mining District. On the east slope of the Mosquito Range, the ridge at the head of Iowa and Empire Gulches (which lie on the west slope), and on the slopes of Mt. Sheridan. Sec. 1, Twp. 10 S., R. 78 W.

12. Report on the Placer properties proposed to be consolidated as the Gold Run Consolidated as the Gold Run Consolidated Mng. Company. 8p. 1880.
    Summit County. Union Mng. Dist. On Gold Run Creek which empties into the Swan, a tributary of the Blue River. 3 miles northeast of Breckenridge. Sec. 20, Twp. 6 S., R. 77 W. Walker, Peabody and Mumford placer mines.

13. Report on the Wellington property of the Colorado and Wyoming Development Company. 10p. 1905.
    Summit County. Bevan Mng. Dist. On Mineral Hill, on the north side of French Gulch. 2½ miles from Breckenridge. Sec. 33, Twp. 6 S., R. 77 W.

14. Report on the properties of the Golden Rod Mng. & Milling Co., in Teller County, Colo. 7p. 1902. (Cont'd. on page 33.)

Schwarz, Theodore E.

14. (Cont'd.)
Teller County. (North of middle of Teller County). On mountain slopes between West Creek and Turkey Creek, 4 to 8 miles from the town of West Creek.

15. Report on the Sac and Fox, and Dunraven 1 lode claims at Magnolia, Colo. 4p. n.d. map.
Boulder County. Magnolia Mng. District. Sec. 5, Twp. 1 S., R. 71 W. #358 Sac and Fox. #260 Dunraven.

16. Report on the Morning Star mine. 4p. 1906.
Boulder County. Ward Mng. Dist., 2 miles east of Ward. Sec. 5, Twp. 1 N., R. 72 W. Emilina, Morning Star, and Evening Star 11848.

17. Report on the Melvina property, Boulder County, Colo. 3p. 1897. Unsigned.
Boulder County. Ward Mng. Dist. Sec.13, Twp. 1 N., R. 73 W.

18. Report on the Boulder County Mine. 4 - 2p. 1880.
Boulder County. Grand Island Mng. Dist. Secs. 8, 9 and 10, Twp. 1 S., R. 73 W.

19. Report on the property of the Colorado Diamond Tunnel Silver Mng. Co. 3p. 1881. map.
Clear Creek County. Griffity Mng. Dist. Cherokee Gulch and on Sherman and Republican Mountains, above the town of Silver Plume. Sec. 13, Twp. 4 S., R. 75 W.

20. Report on the property of the consolidated Pay Rock Mng. Co. 12p. 1881.
Clear Creek County. Griffith Mng. Dist. Sec. 13, Twp. 4 S., R. 75 W. On the southern slope of Republican Mountain, above the town of Silver Plume.

21. Report as to the prospects (Iron Cap and Copper Prince) examined near Cotopaxi, Xolo. 2p. 1906. Unsigned.
Fremont County. Cotopaxi Mining Dist.

22. Report on the Powers mine in Willis Gulch, near its junction with Russell Gulch, Gilpin County, Colorado. 8p. 1907. unsigned.
Gilpin County. Russell Mng. Dist. Sec. 18 Twp.3 S., R. 72 W. Powers #550.

23. Report on the property of the Town Topics Mng. Co., East Notaway Lode Nos. 136 and 328, Gilpin County, Colo. 5p. 1902. Unsigned. From the file of Theodore E. Schwarz.
Gilpin County. Lake Mng. Dist. Sec. 18, Twp. 3 S., R. 72 W.

24. Report on the 1841 Silent Friend mine at Quartz, Gunnison County, Colo. 2p. 1883. Unsigned.
Gunnison County. Quartz Mng. District. Upon Terrible Mountain, about 2 miles from Quartz. Sec. 26, Twp. 51 N., R. 4 E., N.M.P.M.

25. Monthly reports from March to December, 1906, on the condition of the property of the Iron Silver Mining Company. 27p. 1906. Unsigned. From the file of Theodore E. Schwarz.
Lake County. California Mng. District. Sec. 30, Twp. 9 S., R 79 W. Moyer and Tucson shafts.

26. Report on the property of the Morocco Mng. Company at Leadville, Colo. 7p. 1902. Unsigned.
Lake County. California Mng. District. At south end of Harrison Avenue. Sec. 25, Twp. 9 S., R. 80 W.

27. Report on the property of the Big Evans Mng. Company, Lake County, Colorado. 2 - 1p. 1901.
Lake County. California Mng. District. Evans Gulch, just above its junction with the Arkansas River, and on the northern limit of the town of Leadville.

28. Report on the Alicante mine and adjoining developments on the John Reed. 8p. 1897.
Lake County. Alicante Mining District on the head waters of the Arkansas River.

29. Report on the "S.S." group of claims and the " Arlington" group, Park County, Colo. 5p. 1897, Unsigned.
Park County. Horseshoe Mng. Dist. East slope of Peerless Mountain, between Sheridan Mountain and Horseshoe Mountain, on the east slope of the Mosquito Range. "S.S. " group about 1-1/2 miles south of the "Arlington" group.

Schwarz, Theodore E. (Cont'd.)

30. Report on the Iron properties of Samuel Cohen on Silverheels Mountain. 9p. 1897. Unsigned.
    Park County. Beaver Creek Mng. District. West sope of the northerly spur of Silverheels Mountain. Sec. 17, Twp. 8 S., R. 77 W. Broad Guage #541.

31. Report on property consisting of forty mining claims at the head of Sacramento Gulch on east slope of Mosquito Range, Park County, Colo. 7p. 1903. Unsigned.
    Park County. Mosquito Mng. Dist. Sec. 18, Twp. 9 S., R. 78 W.
    London Fault on Pennsylvania Mountain some 4,000 feet northeasterly of the eastern limit of the group.

32. Report on the Denver City property, Saguache County, Colo. 5p. 1906. Unsigned.
    Saguache County. Cochetopa Mng. Dist., about 12 miles south of Gunnison City, Colo., near the deserted town of Iris. One patented claim. Zinc ore. About Sec. 15, Twp. 48 N., R. 1 E.

33. Report on the Alleghany group of mining claims. 14p. 1894. Unsigned. From files of T. E. Schwarz.
    San Miguel County. San Miguel Mng. Dist. Just east of the town of Telluride.
    Monon.
    Alleghany
    D. & L.
    Alleghany No. 2 lode claims.

34. Examination of the abstract of title to the St. Cloud, the Tiger and the Tiger Extension lodes and mining claims in the Snake River Mng. Dist., Summit County, Colorado, made by Yeaman & Parsons, Attorneys at Law, for Theodore E. Schwarz. 7p. 1891.
    Summit County. Snake River Mng. District. Sec. 35, Twp. 5 S., R. 76 W. Tiger Extension #744. Tiger #1506. St. Cloud #1505.

35. Report on the property of the Bonaccord Gold Mining & Milling Company, at Empire. 4p. 1899.
    Clear Creek County. Upper Union Mining District.

36. Report on the Andrews lode. 5p. 1879.
    Clear Crk. County. Argentine Mng. Dist.

37. Report on the Genesee-Vanderbilt Mng. Company property. 8p. 1890.
    San Juan County. Red Mountain Mng. Dist. Secs. 12 and 13, Twp. 42 N., R. 8 W. N.M.P.M.

38. Report for the year ending Sept. 1, 1893 on the Genesee- Vanderbilt Mining Company property. 4p. 1893.
    San Juan County. Red Mountain Mng. Dist. Secs. 12 and 13, Twp. 42 N., R. 8 W. N.M.P.M.

Scofield, C. A.

1. Report on the Alaska Mining & Milling Co., with letter of C. D. Judson (1934). 5p. n.d.
    Boulder County. Ward Mining Dist. Puzzler Hill, 2 miles from Ward.

Shaffer, W. L.

1. Report on the Alice mine. 3p. 1933. 3 maps.
    Clear Creek County. Alice Mng. Dist. About 11 miles N.W. of Idaho Springs.

Sharer, Edward C.

1. General information concerning the Vermiculite properties in Fremont and Custer Counties, near the towns of Westcliffe and Hillside, Colorado, with suggestions about the proposed acquiring and operation of said properties. 30p. 1935.
    Fremont County. Texas Creek Mng. Dist. 9 claims. Hillside group. 166.453 acres. Sec. 33, Twp. 20 S., R. 73 W.
    Custer County. Hardscrabble Mng. Dist. 15 claims. Dead Mule Gulch group. 289.24 acres. Secs. 6, 7 and 18, Twp. 21 S., R. 71 W. and Secs. 12 and 18, Twp. 21 S., R. 72 W.
    Engineer's report by J.M. Broan, 1934.

Sharron, J. G.

1. Notes on titanium ores in Colorado, from report to the International Development & Exploration Company. 6p. 1928.
    Boulder County. Caribou Mng. Dist. 3 miles N. W. of Cardinal, magnetite, ilmenite.
    Gunnison County. Cebolla Mng. Dist. East side of Cebolla Creek, 26 miles from Gunnison City, ilmenite more than 50%.
    Fremont County. Grape Creek Mng. Dist. 12 miles S. W. of Caron City, 15 miles N. Silver Cliff.

Shaw, William R.

1. Report on Single Jack group. 1p. n.d.
    Pitkin County. Columbia Mng. District. Conundrum and Cataract Creeks. Molybdenum.

Shuman, P.J.
1. Railroad Boy group of mines, Boulder, County, Colo., with statement of ore shipments, 1884-1888. 9p. n.d. map.
Boulder County. Gold Hill Mng. District at Salina.

Smith, Charles A.
1. Report on the Freeland mine, 3p. 1933.
Clear Creek County. Dumont Mng. Dist. ½ mile east of Dumont to top of Alps Mountain.

Smith, Jr., Charles A., and Foster, Ernest Le Neve.
1. Report on the Neath mine, with assays, by Ernest Le Neve Foster, 1906, and a supplementary report by Charles A. Smith, Jr. 11p. 1932. 2 maps.
See Foster, Ernest Le Neve, and Smith, Jr., Charles A., 1.

Smith, George A. Lacey, and Fanning, John P.
1. A report on the oil possibilities of the Roggen Anticline. Roggen, Weld County, Colo. Twps. 1, 2 and 3 N., Rs. 61, 62 and 63 W., and Twp. 1 S., R. 62 W. 5p. 1921.
Weld County.
(No second copy of this report) See Fanning, John P., and Smith, George A. Lacey, 1.

Smith, J.N.
1. Report on the Fair Count group of mines, Boulder County, Colo. 3p. 1920. map.
Boulder County. Sugarloaf Mng. District. 12 miles by highway west of Boulder.

Smith, John R.
1. Report on the Humboldt-Pocahontas mines. 6p. c1920.
Custer County. Hardscrabble Mng. Dist. S. W. ¼ Sec. 28, Twp. 22 S., R. 71 W., southwest slope of Lucille Mountain, near Rosita.

Smith, Warren J.
1. Report on the Gary-Allen mine. 1p. 1936.
Boulder County. Gold Hill Mng. Dist. Sec. 8, Twp. 1 N., R. 71 W. About 2 miles northeast of Salina.

Southern Colorado Power Company.
1. Drainage project, Cripple Creek Mng. Dist. investigation by W.J. Kyle, Byllesby Engineering and Maragement Corporation and

Southern Colorado Power Company
1. (Cont'd.)
T.H. Dameron, Southern Colorado Power Co. 13p. 1933. 4 maps.
This study has been made to determine the amount of water and the feasibility of pumping, its economies and the time element, to facilitate immediate mining, as compared to drainage tunnel.
Teller County.

Steel, A. A.
1. Statement of the results of my investigation of the Plomo mine (Rito Seco Properties) 1904.
See Ritter, Etienne A., A.(Sec.5.)

Stephens, Wallace A.
1. Compilation of mining & milling costs (Rito Seco properties) 1911. See Ritter, Etienne A., 2. (Sec. 6.)

2. Summary of report on the Trinchera mines by John Gross (Rito Seco properties) n.d.
See Ritter, Etienne A., 2. (Sec. 11.)

3. Summary of report on the Trinchera mines by William Laurence Austin (Rito Seco properties) n.d.
See Ritter, Etienne A., 2. (Sec. 12.)

4. Summary of other opinions on the Trinchera property (Rito Seco properties) 1916.
See Ritter, Etienne A., 2. (Sec. 13.)

Stevenson, Philip H.
1. Report of work on Trail mine lease of the United Gold Mines Company. 3p. 1936.
Teller County. Cripple Creek Mng. Dist.

Strieby, William
1. The Origin and use of the Natural gas at Manitou, Colo., by William Strieby. 13 - 1p. n.d.
El Paso County. A discussion of the derivation of the carbon dioxide of the Manitou Springs and the use made of the natural gas which comes from the springs.

Taff, J. A.
1. Report on possible oil character of lands in the region of the White River structural Dome, Rio Blanco County, Colo. 3p. n.d.
Rio Blanco County. White River Gas Field. In and across White River Valley, 10 to 25 miles west of Meeker. White Rive Dome.
(Cont'd. on page 36)

Taff, J. A.
1. (Cont'd.)
White River Anticline.
Drilling suggested: near the west end of Claim O, south of the road. This point is very near the center of the S. E. $\frac{1}{4}$ of S. W. $\frac{1}{4}$ of Sec. 31, Twp. 2 N., R 96 W.

Tanner, W. L.
1. Brief statement concerning property of the Tanner group of Tungsten claims. 2p. n.d. map.
Boulder County. Nederland Mng. Dist. 2 miles south of Nederland on Beaver Creek. ferberite.

Taylor, L. S.
1. Report on the Bena Lode, Whitehorn Mng. District, with data gathered by W.H. Dwinnell and two sketch maps by A.J. Posselt. 4p. n.d. 2 maps.
Fremont County. Whitehorn Mng. Dist.

Teagarden, J. A.
1. Report on the Wood Mountain Mining Co. Synopsis of the property. 20p. 1900.
Boulder County. Sugarloaf Mng. Dist. On Four Mile Creek.

Teal, George W.
1. Report on the Eldora Mines Company's Property, Boulder County, Colo. 5p. 1905.
Boulder County. Grand Island Mng. Dist.

Thayer, Harry S.
1. Report on the Gold Hill Mining Company's properties. 9p. n.d.
Boulder County. Gold Hill Mng. Dist. Between Gold Hill and Rowena.

Thomas, Kirby
1. Report on the Kimberly mine. Kokomo, Colorado. 4p. 1907.
Summit County. Ten Mile Mining Dist. Elk Mountain, at Kokomo. Kimberly Consolidated Mines Company.

Thompson, Carey W.
1. Report on the Weber mining property, Mt. Bross, Park County, Colo., with copy of results of Assays of samples from Weber properties by Edward P. Chapman. 3p. 1929.
Park County. Alma Mng. Dist. Bound with Ritter, Etienne A., 8.

Toepelman, W. C.
1. When living things came to the Rockies. pp. 22-26.
2. The Rockies as nursery and habitation. pp. 27-30.
See University of Colorado, 1.

Toll, Rensselaer, H.
1. Report on the Comstock mine, La Plata, Colorado. 6p. 1915. 2 maps.
La Plata County. California Mng. Dist. On La Plata River one mile south of La Plata and 8 miles north of Hesperus. Twp. 36 N., R. 11 W.

Tonge, Thomas
1. Report on the Connors Bonanza group, The Consolidated Ten Mile Mining District and its leading mines. 6p. 1906.
Summit County. Ten Mile Mining Dist.

2. The Natural Resources of Gunnison County. Compiled by Thomas Tonge. 7p. 1896.
Gunnison County. Mines and Minerals. Comment on many mines in the county and mention of the occurrence of the more important minerals - copper, lead, coal, iron and magnetite ores, limestone, fire clay, granite, marble, sandstone, slate.

Treasure Chest Association
1. Colorado the treasure chest of the nation. Denver. 64p. 1935. illus. port. map. tab. diag.
A popular account of the natural resources of the state.

Tripple, Thomas M.
1. Report on the Aetna mine, accompanied by a statement concerning the adjoining Aztec and Republic claims. 3p. 1905.
La Plata County. Needle Mountain Mng. Dist. About 8 miles from Durango on the north face of Bullion Mountain.

Tulley, W. H.
1. Report on the Empire, Mascot, Little Martha, Umberto, Keeley and Moran lodes. 4p. 1936.
San Juan County. Animas Mng. Dist. On northern slope of Galena Mountain, about $2\frac{1}{2}$ miles from Middleton.

United Empire Gold Mines.
1. Extracts from prospectus of United Empire Gold Mines. 4p. n.d.
Boulder County. Gold Hill Mng. Dist. Sec. 8, Twp. 1 N., R. 71 W., at Sunshine.

United Gold Mines Company.

1. Annual report of the United Gold Mines Company. 47p. 1904. 13 maps. illus.
   Teller County. Cripple Creek Mng. Dist.

2. Annual report of the United Gold Mines Company. 6p. 1935.
   Teller County. Cripple Creek Mng. Dist.

United States Geological Survey.

1. Government geologists estimates depth of sandstone in northeastern Colorado that may yield oil. Dakota formation and possible reservoir. 2p. 1925. Release 5-15-25.
   Weld, Morgan and Washington Counties. Fort Morgan Anticline. W. ½ of Twps. 1 n., and 1 S., R. 56 W. Greasewood Lakes Anticline. Greasewood field. Pawnee Creek Anticline.

2. Oil and gas in northeastern Colorado. Prospects of developing new fields. 5p. 1924. map. Release 1825.
   Arapahoe, Adams, Larimer, Logan, Morgan and Weld Counties. Twps. 1-12 N. and 1-4 S., Rs. 55-70 W.
   Fort Collins Anticline.
   Wellington Anticline.
   Berthoud Anticline.
   Douglas Lake Anticline.
   Fort Morgan Anticline.
   Pawnee Creek Anticline.
   Greasewood Lake Anticline.

3. Geology and oil and gas prospects in part of eastern Colorado. By C. H. Dane and W. G. Pearce. 8p. 1933. map. Release 72215.
   Lincoln and other counties. Twps. 11-23 S., Rs. 42-57 W. Sierra Grande Arch. Wells already drilled in this region discussed.

4. Prospects for oil and gas in and near the Barker Creek Dome, Colorado and New Mexico. Uplifts in parts of La Plata County, Colo., and San Juan County, New Mexico. Mapped by Government Geologists. 5p. 1924. map. Release 5725.
   La Plata County. Barker gas field. Wells drilled: Sec. 34, Twp. 33 N., R. 12 W.; Sec. 3, Twp. 32 N., R. 12 W. Dry Mesa Dome. Red Mesa Dome. Barker Creek Dome. Henderson Coal Mine.

5. Record of drilling wells near Denver (Sable), Wellington and Dover, Colo., and their bearing on the Cretaceous and Tertiary

United States Geological Survey (Cont'd.)

5. (Cont'd.)
   formations of eastern Colorado. 10p. 1917. map. (W. T. Lee)
   Adams, Larimer and Weld Counties.

6. Prospects for oil or gas in the Slater Dome, in northwestern Colorado. Government geologist maps promising area in northwestern Moffat County. 2p. 1924. map. Release 72215.
   Moffat County. Twp. 12 N., R. 89 W. 2½ miles east of Slater. Slater Dome.

7. Oil in Basalt near Trinchera, Colo. Notes by W. T. Lee. 3p. 1909.
   Las Animas County.

8. Liquid hydrocarbon from Ohio Creek coal mine, Sec. 15, Twp. 15 S., R. 86 W., Gunnison County, Colorado. Collected by W. W. Boyer. 1p. 1923.
   Gunnison County.

9. Report concerning an out-lier of the coal-bearing rocks of the Grand Mesa coal fields of western Colorado. (J. Fred Hunter.) 2p. 1912.
   Montrose County. Grand Mesa coal field.

10. The Yampa coal field, in northwestern Colo. 2p. 1932. Release 12602.
    Routt County. Yampa coal field. East of Hayden.

11. Coal in the Elkhead district of the Yampa coal field, northwestern Colorado. 4p. 1924. Release 16653. Dept. of the Interior.
    Routt County. Yampa coal field. Twps. 5, 6, 7 and 8 N., Rs. 88, 89 and 90 W.

12. Gilsonite in early Eocene gravels in Middle Park, Colo. 1p. 1917. (Willis T. Lee - notebook).
    Grand County. Middle Park. Non-metals.

13. New geological report on Leadville. 2p. 1927. Press release 16276. Dept. of the Interior.
    Lake County. California Mng. Dist.
    Refers to Prof. Paper #148.

14. The Red Arrow gold discovery in the La Plata mountains, Colorado. 3p. 1934. Press release 81670. Dept. of the Interior.
    Montezuma County. California Mining District.
    Sec. 11, Twp. 36 N., R. 12 W., N.M.P.M.

United States Geological Survey.(Cont'd)

15. Coal resources in Moffat County. 1p. 1925. Release 2205.
Moffat County. Yampa coal field. Region southwest of Craig.

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La Plata County. California Mng. Dist. About 13 miles northwest of Durango.

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1. Report on the Lone Pine properties in the Cripple Creek District, Teller County, Colorado. 2p. 1935. map.
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2. Resume of reports, tests and conditions Rito Seco properties. 1934. See Ritter, Etienne A., 2. (Sec. 2.)

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1. Report on a proposition to construct a 15 mile tunnel through the Continental Divide in Colorado for the American Mines Syndicate Company. n.d. 10p. 2 maps.
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Summit County. Ten Mile Mining District.

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1. General report on the holdings of Chas. Gautier, J. H. Martin, H.C. Lannier, J.M. McCausland, and W. A. Lewis, partners, in the Red Mountain Mng. Dist. Colo. 11p. 1926. map.
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1. Report on the Michael Breen group. 2p. 1918. map.
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1. Feldspar properties in the Canon City and South Platte areas. (Cont'd above)

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1. Report on a group of claims including the Morningside, Father Forestall and others adjoining the Golden Fleece mine, on the east slope of Hotchkiss Mountain. 3p. 1930.
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1. Report on the White River Oil Dome. 3p. 1920. map.
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   This paper is a brief summary of the known gas resources of parts of these three states, and describes the geologic and structural conditions under which the gases are found.

2. Report on the Brush Hollow Anticline, Fremont County, Colo. 3p. 1921.
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   Moffat County. Twps. 4 and 6 N., Rs. 100-102 W. 75 mi. west of Craig.
   Skull Creek Dome. Drilling suggested: S. E. ¼ Sec. 2. Twp. 3 N., R. 101 W.

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1. Report on the Lexington group of mines. 3p. 1936. map.
   Clear Creek County. Gold Dirt Mng. Dist.
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1. The rise of the Rockies. pp. 11-14.
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   Clear Creek County. Griffith and Queens Mng. Dist. 5 mi. from Idaho Springs.

W. W. Wilmore, et al. vs. Chain O'Mines, Inc. and Mattie Consolidated Mining Company.

1. W. W. Wilmore, Joe Pearson, D. E. Trogler, Frank Bond and Frank Morris, Plaintiffs in Error vs. Chain O'Mines, Inc., a corporation, and the Mattie Consolidated Mng. Co., a corporation, Defendants in Error. In the Supreme Court of the State of Colorado. Error to the District Court of Jefferson County, Colo. Sackmann, J. Opinion by Justice Holland. April 12, 1935 10p.
   Stream pollution.

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1. Oil possibilities of the White River Dome, Rio Blanco County, Colorado. 2p. n.d.
   Rio Blanco County. White River Gas Field. Parts of Twps. 1 and 2 N., Rs. 96 and 97 W.
   White River Dome.

A D D E N D A

Broyles-Ensminger Brokerage Company.

1. Cripple Creek mines & claims book.
   Complete information of Cripple Creek mines & mining companies, also their claims arranged alphabetically, giving location and by whom owned. 151p. 1900.
   Teller County. Cripple Creek Mining District.

PART

II

MAPS AND CHARTS

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CHARTS

MINES

1. Chart giving the names of mining districts, classified by Counties, with metal production by weight and value (1858-1934) and totals for each county. Prepared by Theodore D. Benjovsky.
   Colorado

2. Labor classification and data for reports to State and Federal Bureaus of Mines, Mines office - Grand Junction, Colo. Compiled from the Payrolls and Daily Mine Reports. Data includes Carnotite Products Company mines after date. June 1, 1921. Radium Company of Colorado.

PETROLEUM

1. Tentative correlation of the named geologic units of the Rocky Mountain Region. Compiled by Petroleum Information, Inc., Denver, 1936.

2. Important wells in and around San Juan Basin. Name of well, company, location, elevation, total depth and geologic log. 1926-1932.

MAPS

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El Paso County

1. Map of City Coal Mine of Colorado Springs. n.d. Sec. 29, Twp. 13 S., R 66 W.

Fremont County

1. Map of Canon City Coal Field. Twps. 19 and 20 S., Rs. 69 and 70 W. (J.Q.M.) 1933. Properties of the:
   Canon City Coal Company
   Colorado Fuel & Iron Company
   C. & P. C. & M. Company
   Western Fuel Company
   Victor Fuel Land , and R.M. F. Co.
   are indicated.

Garfield County

1. Map of Coal Crop Lines, New Castle to South Canon, Garfield County, Colo. Twps. 5 and 6 S., Rs. 90 and 91 W.JQM July 6,1933.

Garfield County (Cont'd.)

2. Map and section of the Le Donne Mine, Garfield County, Colo. Surveyed Dec. 12, 1933 by Earl D. Von Rosenberg, C. E. (In Secs. 18 and 19, Twp. 5 S., R. 91 W.)

3. Map of Ted Estes Coal mine located on Rifle Creek, N.E. ¼ S. W. ¼ Sec. 3, Twp. 5 S., R. 93 W. Workings.

4. The Grass Valley Dam showing the coal workings in the vicinity and their relative elevations, crest of dam being 524 ft., Garfield County, Colo. Point located 1320 ft. west of S. W. corner, Sec. 13, Twp. 5 S., R. 92 W.

5. Map of the Rocky Mountain Fuel Company's Midland Mine situated in Sec. 34, Twp. 7 S. R. 89 W.

Gunnison County

1. Map of coal w rkings Rapid Creek Mining Tunnel & Power Co., Genter, Gunnison County, Colo. S. ½ Sec. 20, Twp. 11 S., R. 88 W. About 2 miles west of Marble. Theodore Rosenberg 1928.

2. Map of the Tuscarora claims of the Anthracite Fuel Company in Sec. 19, Twp. 11 S., R. 88 W. n.d. Near Marble.

3. Topography on proposed Chair Creek Tunnel site, Creek Changes, and Tipple and trackyard grounds. S. E. ¼ S. E. ¼ Sec. 18, Twp. 11 S., R. 88 W. 6. P.M. Survey May 28-30, 1923. Theodore Rosenberg, C. E.

Huerfano County

1. Portion of coal basin Huerfano County, Colo. Twps. 27, 28, 29 and 30, Rs. 66 and 67 W., adjoining the city of Walsenburg. In two sections. Section 1. North section.

2. Section II South Section

3. Section on course of dip through Sec. 36, Twp. 27 S., R. 68 W.

4. Trinidad coal field Colorado. Adapted from map of Richardson, Winchester and Gardner.

Huerfano County (Cont'd)

4. (Continued)
Bulletin 381-U.S.G.S. Showing location of coal lands in Huerfano and Las Animas Counties, owned by the Colorado Fuel & Iron Company, and the Rocky Mountain Coal & Iron Company, a subsidiary: with relation to subdivisions, coal outcrop, etc. G. C. Stumm, 1919.
Twps. 27 to 35 S., Rs. 61 to 69 W.

Las Animas County

Trinidad coal field Colorado. Adapted from map of Richardson, Winchester and Gardner. Bulletin 381-U.S.G.S. Showing location of coal lands in Huerfano and Las Animas Counties owned by the Colorado Fuel and Iron Company and the Rocky Mountain Coal and Iron Company, and subsidiary; with relation to sub-divisions, coal outcrop, etc. G. C. Stumm 1919.
Twps. 27 to 35 S., Rs. 61 to 69 W.

See Maps - Mines: Coal:
Huerfano County, 4.

MAPS

MINES METALLIFEROUS

Colorado

1. Map of Colorado showing location of Mining Districts, Production by Counties (1858) to 1934 inclusive. Compiled from Colorado and U.S.G.S. statistics by T. D. Benjovsky, Salida, Colo. 1935. Rare Metal Production.

2. The great Central Mineral Belt of Colorado (southwest from Grand and Larimer counties to Montezuma and La Plata counties) from U. S. G. S. Topographic Maps, noting a few mines. Lewis E. Ashbaugh. 1935.

3. Denver to Salt Lake. Principal cities, roads and rivers. Lewis E. Ashbaugh, 1933.

Colorado (Cont'd.)

4. Central Colorado. Denver and Colorado Springs west to Salt Lake City. Lewis E. Ashbaugh. 1929.

Boulder County

1. Mining district to the west of Boulder, Lewis E. Ashbaugh. n.d. Twps. 1 & 2 N., 1 S., Rs. 70-74 W.

2. Map of Sec. 5, Twp. 1 N, R. 71 W. Glendale. Redrawn from revised records of U.S. Sur. Gen'l. by Henry A. Drumm. 1932.
Gold Hill & Sunshine Mining District.

Boulder County (Cont'd.)

3. Map of the Burlington-Boulder M & M Co., claims. Survey No. 18572 Sec. 5, Twp. 1 N., R. 71 W. Gold Hill Mining District.

4. Plat of the Claim of Viola Beatty, known as the Silver Queen, Major, D. Lentangy and Central John lodes. Mineral Survey No. 13414. Albert E. Chase. 1899. N. E. ¼ Sec. 7, Twp. 1 N., R. 71 W. Gold Hill Mining District.

5. Map showing the workings of the Victoria Mine, Boulder County, Colo. Sec. 7, Twp. 1 N., R. 71 W. Gold Hill Mining District. On Big Horn Mountain.

6. Map of Sec. 8, Twp. 1 N., R. 71 W. Sunshine, Colo. Drawn from U. S. G. S. records by Henry A. Drumm. 1928.
Gold Hill Mining District.

7. Map of Sec. 18, Twp. 1 N. R. 71 W. Salina. Drawn from records of U. S. Sur. Gen'l. by Henry A. Drumm, 1917. Rev. to July 23, 1932.
Gold Hill & Sugarloaf Mining Districts.

8. Map of Sec. 1, Twp. 1 N., R. 72 W. Rowena, Colorado. Drawn from records of U. S. Sur. Gen'l. by Henry A. Drumm, 1917. Rev. to July 1926. Gold Hill Mining District.

9. Sketch map of the Small Hopes group of mining claims, comprising the Great Western, Little Esther, Lillie, Harbour, Small Hopes, Owls Roost, Jewel, Gem, Emilia and Big Elephant claims. Gold Hill mining district Boulder County, Colo. Russel To. Mason. D. N. G. Sec. 14, Twp. 1 N., R. 72 W.
Gold Hill Mining District.

10. Map of mining claius, Boulder County. Sec. 34, Twp. 1 N., R. 72 W. Sugarloaf Mng. Dist.

11. Map of mining claims in Sec. 1, Twp. 1 S., R. 72 W. n.d. Magnolia Mining District.

12. Map of mining claims in S. E. ¼ Sec. 1, Twp. 1 S., R. 72 W. Fred A. Fair, Eng. Ass'n. by Carl Bebee 1932. Gallant Fox. 2nd. Chance. 17116 Le Roy, Le Roy No. 2.
Magnolia Mining District.

13. Map of 19204 Last Chance mine, Boulder County, Colo., J. E. Byron, 1935. Sec. 7, Twp. 1 S., R. 72 W. Grand Island Mng. Dist.

Boulder County (Cont'd.)

14. Map showing location of Montgomery group mining claims at Ward, Ward Mng. Dist., Colorado. n.d.(In Sec. 12 Twp. 1 N.R. 73 W.)
Ward Mining District.

15. Eldora Mines or National and Standard Group n.d. Sec. 16, Twp. 1 S., R. 73 W.
Grand Island Mining District.

16. Map of claims in the Grand Island Mining District, Boulder, County, Colo. Secs. 20 and 21, Twp. 1 S., R. 73 W. n.d.
Grand Island Mining District.

Chaffee County

1. Map of mining claims in N. E. ¼ Sec. 18, Twp. 12 S., R. 82 W. Red Mountain Mining District n.d. Red Mountain Mining District.

Clear Creek County

1. Map of Pennsylvania Mining Power & Reduction Co., Property, Clear Creek and Gilpin Counties, Colo. n.d. 16 mining districts.

2. Map of mining claims Secs. 28, 29, 30, 31, 32, and 33, Twp. 3 S., R. 73 W. n.d.
Idaho Springs Mining District.

3. Map of a portion of Clear Creek and Gilpin Counties, Seaton Mountain and Pewabic Mountain areas, showing properties of the Pewabic Consolidated G.M. Co., Dollar Savings M. & M. Co., Consolidated Gem M. Co., Consolidated Park M. Co., Alma Gold M. Co., Shafter M. Co., Big Revenue Group, Treasure Vault Group and Big Five Tunnel. Secs. 25 and 26, Twp. 3 S. R. 73. W. n.d.

4. Vertical section of Brighton mine No. 2 in Virginia Canon, Clear Creek County, Colorado. Surveyed by J. F. Beckstrom, 1935. Sec. 26, Twp. 3 S., R. 73 W.
Virginia Mining District.

5. Albro Extension Mining & Milling Co., Cross-section map of the properties of, Sec. 20, Twp. 3 S., R. 73 W. Dumont Mining District.

6. Idaho Springs Gold Mining District. Prominent veins. From U. S. G. S. Prof. Paper #94. Lewis E. Ashbaugh. 1932. Secs. 35 and 36, Twp. 3 S., R. 73 W.
Idaho Springs Mining District.

Clear Creek County (Cont'd.)

7. Century Mines, Inc., operating New Era group. Trail Creek (mining district), Idaho Springs, Colo. Lew E. Ashbaugh, 1933. Sec. 31, Twp. 3 S., R. 73 W.
Trail Creek Mining District.

8. Map of claims 14925 Helen Blazes, 2053 Gardner Placer, Sec. 2, Twp. 4 S., R. 73 W. Clear Creek County, Colorado. n.d.
Ohio Mining District,

9. Map of claims in Clear Creek County owned by American Sisters Mining Company, Colorado Springs, Chas. L. Harrington. n.d. Sec. 26, Twp. 3 S., R. 74 W.
Joe Reynolds Mining District.

10. Prominent Mine Tunnels and Veins and Cyclone Gold-Silver claims at Silver Plume, Clear Creek County, Colo. Lewis E. Ashbaugh 1934. Tunnels and Veins from U. S. G. S. Prof. Paper #63. Twp. 4 S., Rs. 74 & 75 W.
Silver Plume Mining District.

11. Dunkirk group and Pay Rock group. Sept. 1907. Sidney Myers 650 Conquerer 1438; Dunkirk lode 200; Ashby Tunnel and many other claims. Sec. 13, Twp. 4 S., R. 75 W.
Griffith Mining District.

12. Map of the Dorit-Perkins group n.d. Secs. 5, 8 and 9, Twp. 4 S., R. 73 W.
Cascade Mining District.

13. Properties of the Idaho Springs Prod. Co., Clear Creek County, Colo. Page 609, Mine Managers Reports for the year 1903, Colorado State Bureau of Mines. Sec. 3, Twp. 4 S., R. 73 W.
Coral & Jackson Mining Districts.

14. Properties of the Hidden Treasure Gold & Silver Mines & Mills Co., Denver, Colo., Page 120, Mine Managers' Reports for the year 1901, Colorado State Bureau of Mines. Sec. 19, Twp. 4 S., R. 74 W.
Griffith Mining District.

15. Map of mining claims in Secs. 33, 34 and 35, Twp. 3 S., R. 73 W., and Secs. 2, 3, 4, 9, 10 and 11, Twp. 4 S., R. 73 W., Clear Creek County, Colo. W. H. Wiley, 1930.
Jackson Mining District.

Costilla County

1. Map of Grayback and Placer Districts. Twp. 28 S., Rs. 70 and 71 W., Adjoining the town of Russell. George Y. Price. 1932.
Grayback Mining District.

Custer County

1. Map of mining claims north of Rosita, Custer County, Colo. Secs. 16, 17, 18, 19, 20, 21, 28, 29 and 30, Twp. 22 S., R. 70 W. W. S. Dunlap. 1935.
Hardscrabble Mining District.

2. Map of mining claims in Twp. 22 S., R. 72 W. in the neighborhood of Silver Cliff, Colo. n.d.
Hardscrabble Mining District.

3. Map of mining claims Secs. 4, 5, 6, 7, 8, 9, 16 and 17, Twp. 22 S., R. 72 W. F.H. Wagner nd.
Hardscrabble Mining District.

Eagle County

1. Map of a group of claims adjoining the town of Red Cliff showing the workings of the Sulphide claim. (2836 Wyoming Valley Placer) Twp. 6 S., R. 80 W. n.d.
Battle Mountain Mining District.

2. Map of Mining claims in Secs. 23 and 24, Twp. 6 S., R. 81 W. on Eagle River, Eagle County, Colorado.
Battle Mountain Mining District.

3. Map of Mineral Surveys, Battle Mountain, Eagle County, Colo. Compiled by Ben L. Cress from official surveys. 1910. Twp. 6 S., Rs. 80 and 81 W.
Battle Mountain Mining District.

4. Map of the Holy Cross Mining District, Eagle County, Colo. Compiled from U. S. Survey field notes and original surveys by C. T. Kennan. 1909. Secs. 18, 20, 29, 30, 31 and 32, Twp. 7 S., Rs. 81 and 82 W.
Holy Cross Mining District.

5. Map of the Eagle River Placer, Secs. 5, 6, 7, 8, 17 and 18, Twp. 5 S., R. 82 W. Drawn from survey made February 1928.

El Paso County

Sketch map of the Front Range area between
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El Paso County (Cont'd.)

Colorado Springs and Cripple Creek, Colo. Taken from U. S. maps and other sources by Wm. Garstin, U. S. Mine Surveyor, n.d. Twps. 15 and 16 S., Rs. 67, 68, 69 & 70 W.
Cripple Creek Mining District.
See Maps, Mines; Metalliferous.
Teller County, 1.

1. Map of mining claims in South Cheyenne, Sec. 4, Twp. 15 S., R. 67 W. n.d.
South Cheyenne Mining District.

Fremont County

1. Survey No. 16900. Leadville Land District. Boma and Free Town lodes, Fremont County, Colo. Albert A. Lampe, U. S. D.M. S. 1903. Secs. 21 and 28, Twp. 51 N., R. 10 E. N.M.P.M.
Cameron Mining District.

Gilpin County

1. Blackhawk townsite and adjoining claims. n.d. Sec. 7, Twp. 3 S., R. 72 W.
Blackhawk Mining District.

2. Map of Caledonia Lode Claim, Lake Mining District, Gilpin County, Colo. n.d. Sec. 18, Twp. 3 S. R. 72 W.
Lake Mining District.

3. Mineral Surveys of Northern Gilpin County. Published 1913 by Chas. J. Hotchkiss Co. Sec. 31, Twp. 1 S. and Secs. 6, 7 and 18, Twp. 2 S., R. 73 W. Secs. 33-36, Twp. 1 S., Secs. 1-4, 9-12, 13-16 and 21-24, Twp. 2 S.R. 72 W.
Independence Mining District.

4. Plan of claims and workings of the Newport Providence group. 1930. E. L. Beckstrom, Sec. 35, Twp. 1 S., R. 73 W. and Sec. 2 Twp. 2 S., R. 73 W.
South Boulder Mining District.

5. Central City-Russell Gulch Gold Mining Dist. Prominent veins. From U. S. G. S. Prof. Paper #94. Lewis E. Ashbaugh. 1932. Twp. 3 S., Rs. 72 and 73 W.

6. Map of Central City Mining District, Gilpin County, Colo. n.d. Twp. 3 S., Rs. 72 and 73 W.
Central City Mining District.

Gilpin County(Cont'd.)

7. Russell Gulch Mining Co., Central City, Colo. Property map. Sec. 18, Twp. 3 S., R. 72 W. and Sec. 13, Twp. 3 S., R. 73 W.
Russell Mining District.

8. Russell Gulch Mining Co., Central City, Colo. Vein system. Sec. 18, Twp. 3 S., R. 72 W. and Sec. 13, Twp. 3 S., R. 73 W.
Russell Mining District.

9. Russell Gulch Mining Co., Central City, Colo. Level plan. Sec. 18, Twp. 3 S., R. 72 W. and Sec. 13, Twp. 3 S., R. 73 W.
Russell Mining District.

10. Russell Gulch Mining Co., Central City, Colo. Longitudinal section. Sec. 18, Twp. 3 S., R. 72 W. and Sec. 13, Twp. 3 S., R. 73 W.
Russell Mining District.

11. Map of Star mine. Phoenix, Colo. Showing plan of workings. J. F. Beckstrom. Twp. 1S. R. 73 W. about 2 miles N. W. of Rollinsville
Phoenix Mining District.

12. Mining claims of J. B. Johnson in Secs. 6 and 7, Twp. 2 S., R. 73 W. Pine Mng. Dist. Gilpin County, Colo. Surveyed by Walter H. Funk, D. U. S. M. S. Mineral Survey #18492 n.d.
Pine Mining District.

13. Tucker mine. 3 lode claims in one group. Central City, Colo. Workings. Sec. 1, Twp. 3 S., R. 73 W. Eureka Mining District.

14. McAllister group, Gregory District, Central City, Colo. Sec. 12 Twp. 3 S., R. 73 W.
Central Mining District.

15. McAllister mine. 4 lode claims in one group. Central City, Colo. Map of workings. Sec. 12, Twp. 3 S., R. 73 W.
Central Mining District.

16. Sectional view of the underground workings of the O'Neil mine, Central City, Gilpin County, Colo. n.d. Sec. 12, Twp. 3 S. R. 73 W.
Central Mining District.

17. 2 lode claims in one group. R.P. Ranney and Center Tunnel, Central City, Colorado. Gilpin County. Sec. 12 Twp. 3 S., R. 73 W.
Quartz Valley Mining District.

Gilpin County (Cont'd.)

18. Gaston mine. Central City, Colorado. Gilpin County. Plan of workings. Sec. 13. Twp. 3 S., R. 73 W.
Russell Mining District.

19. Consolidated Metals, Inc. Incidental Mine. Russell Gulch, Gilpin County, Colo. Surveyed by Prouty Bros. Engineering Co. 1926. Sec. 14, Twp. 3 S., R. 73 W.
Russell Mining District.

20. Plat 2. Tacoma Tunnel survey. Plan & Elevation, Tunnel & Shafts, showing proposed connection. Beaver Cr., Gilpin Co., Colo. by Warren C. Prosser. U. S. M. S. n.d.

21. Plat 1. Amended location survey, Tacoma group of lode mining claims. North Gilpin County, Colo. n.d. Sec. 35, Twp. 1 S., R. 73 W.
South Boulder Mining District.

22. Sectional map of the East Notaway Vein. Property of the Town Topics Gold Mining Co., Gilpin County Colo. Page 297 B, Mine Managers' reports for the year 1903, Colorado State Bureau of Mines. Sec. 18, Twp. 3 S., R. 72 W.
Lake Mining District.

23. Property of the Town Topics Gold Mining Co., Gilpin County, Colo. Page 297 A, Mine Managers' Reports for the year 1903, Colorado State Bureau of Mines. Sec. 13, Twp. 3 S., R. 73 W.
Lake Mining District.

24. The Gregory-Buell Consolidated, page 473 A, Mine Managers' Reports for the year 1903, Colorado State Bureau of Mines. Sec. 12, Twp. 3 S., R. 73 W.
Gregory Mining District.

25. The Roderick Dhu Gold Mining Co., Gilpin County, Colo. Page 174, Mine Managers' Reports for the year 1904, Colorado State Bureau of Mines, Sec. 13, Twp. 3 S., R. 73 W.
Illinois Central Mining District.

26. Mining Claims of J.B. Johnson in Secs. 6 and 7, Twp. 2 S., R. 73 W., Pine Mining District, Gilpin County, Colo. n.d.
Pine Mining District.
See also Maps. Mines Metalliferous
Gilpin County, 12.

Gilpin County (Cont'd.)

27. Map of Gilpin County, Colo. Compiled from actual surveys and official records and copyrighted 1896 by Chase and Rank. Twps. 2 and 3 S., Rs. 72 and 73 W. (Includes a portion of Clear Creek County).
This map is mounted on rollers and there is no tracing.

Map of Pennsylvania Mining Power & Reduction Co. Property, Clear Creek and Gilpin Counties, Colorado. n.d.
16 mining districts.
See Maps, Mines: Metalliferous.
Clear Creek County, 1.

Map of a portion of Clear Creek and Gilpin Counties, Seaton Mountain and Pewatic Mountain areas, showing properties of the Pewatic Consolidated G.M. Co., Dollar Savings M. & M. Co., Sun & Moon M. & M. Co., Consolidated Gen M. Co., Consolidated Park M. Co., Alma Gold M. Co., Shafter M. Co., Big Review Group, Treasure Vault Group and Big Five Tunnel. Secs. 25 and 26, Twp. 3 S., R. 73 W. n.d.
See Maps. Mines: Metalliferous
Clear Creek County, 3.

Gunnison County

1. Map of Taylor River Tunnel. Sec. 12 or 13 S., R. 83 W., Gunnison County.
Taylor River Mining District.

2. Vertical section underground workings of the Star & Independence Mines, Italian Mountain Tin Cup Mng. Dist., Gunnison County, Colo. n.d. Sec. 35, Twp. 12., R. 84 W.
Tin Cup Mining District.

3. Map showing the proposed Italian Mountain Draining & Transportation Tunnel, Tin Cup Mng. Dist. Gunnison County, Colo. O.H. Aikine 1912.
Twps. 12 and 13 S., R. 84 W.
Tin Cup Mining District.

4. Map of mining properties near Crystal, Colo. Secs. 27, 28, 33 and 34, Twp. 11 S., R. 87 W. 6th P.M.
Rock Creek Mining District.

5. Mining claims part of Gold Brick mining dist., Gunnison County, Colo.n.d.Sec. 1, Twp. 50 N., R. 3 E. About 3 mi. N. W. of Pitkin.
Gold Brick Mining District.

6. Map of mining claims in Gunnison and Saguache Counties. Twp. 47 N., R. 1 W. n.d.

7. Map of claims in Sec. 27 and 34, Twp. 51 N. R. 5 E., N.M.P.M., F. C. Cramer. n.d.
Quartz Creek Mining District.

8. Map of Mono Metalist lode, Tin Cup Mng. Dist. Gunnison County, Colo. S. E. $\frac{1}{4}$ Sec. 3, S. W. $\frac{1}{4}$ Sec. 2, Twp. 15 S., R. 82 W.Sur. #18599 n.d.
Tin Cup Mining District.

9. Goose Creek Basin. Property of D. L. Gray and A. Haynes. S. $\frac{1}{2}$ Sec. 2, Twp. 47 N., R. 3 W., N.M.P.M. n.d.
Goose Creek Mining District.

Hinsdale County

1. Daveys map of Hinsdale County, Colo. 1908. Twps. 41-45, Rs. 4-6 W., N.M.P.M.

2. Map of mining claims Secs. 9, 10, 15 and 16, Twp. 43 N., R. 4 W., Hinsdale County, Lake Mining District, Colorado. n.d.
Lake Mining District

3. Map of part of Hinsdale County, Lake Mng. Dist. Secs. 9, 10, 15 and 16, Twp. 43 N., R. 41 W. About 4 miles south of Lake City. (628 Gladiator) n.d.
Lake Mining District.

4. Map of the San Cristobal Reservoir, Hinsdale County, Colo. Irrigation Division 4, Water Dist. 62. Courses true, magnetic variation 14° 21' E. 1910. Sec. 10, Twp. 43 N. R. 4 W., N.M.P.M.
Lake Mining District.

5. Gladiator mine. Underground works, Section of, n.d. Sec. 10, Twp. 43 N., R. 4 W. NMPM.
Lake Mining District.

6. Highland Chief mine. Vertical section along Highland Chief vein. Plan map of workings. nd. Sec. 23, Twp. 43 N., R. 6 W., N.M.P.M.
Galena Mining District.

7. Map of mining claims between Lake City and Lake San Cristobal. Sec. 4, 9, 15, 16 and S. $\frac{1}{2}$ of 10, Twp. 43 N., R. 4 W., n.d.
Lake Mining District.

8. Map showing the relative position of "Golden Fleece" property and "Slumgullion Gulch." Also Golden Fleece vein distinctly traced to the Crater. Reproduction of map in office of Surveyor General at Denver, Colorado Secs. 10 and 11, Twp. 43 N., R. 4 W., N.M.P.M.
Lake Mining District.

Lake County

1. Map of mining claims in Sec. 17, 18, 19 and 20, Twp. 8 S., R. 78 W.
Montgomery Mining District.

2. Longitudinal section Gordon Vein, Lake County, Colo. Fred C. Cramer 1897. S.W.$\frac{1}{4}$ Sec, 13, Twp. 11 S., R. 78 W.
Twin Lakes Mining District.

3. Map of the Gordon and Bengal Tiger mines, Twin Lakes Mng. Dist., Lake County, Colo. Ground Plan and longitudinal section along the vein. 1896. S. W. $\frac{1}{4}$ Sec. 13 Twp. 11 S., R. 78 W.
Twin Lakes Mining District.

4. Plat of Gordon and Bengal Tiger Mines, Twin Lakes Mng. Dist. Lake County, Colo. Fred C. Cramer. 1897. S. W. $\frac{1}{4}$ Sec. 13, Twp. 11 S.R.78 W.
Twin Lakes Mining District.

5. Map of mining claims in Alicante Mng. Dist., Lake County, Colo. 948 Alicante and other claims. Upper Arkansas Placer. Sec. 13, Twp. 8 S.R. 79 W.
Alicante Mining District.

6. Map of the workings of the Smuggler mine, deeded to the Iron Silver Mining Co. n.d. Sec. 30, Twp. 9 S., R. 79 W.
California Mining District.

7. Workings of Dyer Mine, Lake County, Colo. Sec. 30, Twp. 9 S., R. 79 W. About 1-$\frac{1}{2}$ miles southeast of Leadville.
California Mining District.

8. Map of mining claims in Lake County, Colo. 580 Tenderfoot, 17342 Stormy Petrel, Ollie Reed. n.d. Fred J. McNair, M. E. Sec. 21, Twp. 9 S., R. 79 W.
California Mining District.

9. The Leadville Mng. Dist. Compiled from official records and other reliable sources by Charles F. Saunders. Jan. 1901, Twps. 9 and 10 S. Rs. 79 and 80 W.

Lake County (Cont'd.)

10. Map of Placer claims on the Arkansas River, Lake County, Colo. Laura & Daisy Placer, Rose Placer, Clint Placer, New York Placer, Detroit Placer, Rhododendron Placer, n.d. Secs. 15, 16, 21 and 22, Twp. 9 S. R. 80 W.
California Mining District.

11. Map of mining claims in Sec. 21, Twp. 9 S., R. 80 W., California Mng. Dist. (549 Jessie Clark)
California Mining District.

12. Mining claims in the St. Kevin Mng. Dist., Lake County, Colo. Fred J. McNair, M. E. n.d. About 6 miles northwest of Leadville, Secs. 31 and 32, Twp. 8 S., Secs. 5, 6, 7, and 8. Twp. 9 S., R. 80 W. and Secs. 35 and 36, Twp. 8 S., Secs., 1, 2, 11, 12, 13 and 14, Twp. 9 S., R. 81 W.
St. Kevin Mining District.

13. Map of mining claims in Sec. 23, Twp. 8 S., R. 80 W. Lake County, Colorado.
California Mining District.

14. Placer claims in Secs. 23, 26, 27 and 34, Twp. 8 S., R. 80 W. Northwest of Leadville.

15. Map of Pilgrim Gold Mining & Milling Co., Leadville, Colo., page 399 A. Mine Managers' Reports for the year 1900, Colorado State Bureau of Mines. Sec. 32, Twp. 9 S., R. 79 W.
California Mining District.

Leadville-Alma Mining District, from U. S. Geological Survey, Plate II, Prof. Paper #148, 1927. Lewis E. Ashbaugh, 1933. See Maps, Mines: Metalliferous.
Park County, 1.

La Plata County

1. Map of patented claims of the Needle Mountain Mng. Dist., La Plata County, Colo., n.d. Sec. 35, Twp. 39 N., R. 7 W., N.M.P.M.
Needle Mountain Mining District.

2. Map of mining claims in Sec. 25, Twp. 39 N., R. 8 W. and Sec. 30, Twp. 39 N., R. 7 W. 1912.
Needle Mountain Mining District.

3. Map of mining claims in Secs. 19 to 23, 26 to 35, Twp. 37 N., R. 10 W., N.M.P.M. La Plata Mountain. Dan Cason. 1906.
California Mining District.

La Plata County (Cont'd.)

4. Mining properties near proposed Mill, California Mng. Dist., La Plata County, Colo. n.d. 6 miles southeast of Mancos dist. Incas group. Idaho Mines. Pioneer Gold Producers. Secs. 16, 21 and 28, Twp. 36 N., R. 11 W.
California Mining District.

5. Plat of mineral entries, Twp. 36 N., R. 11 W., La Plata County, Colo. Burdick and Kroeger, Engineers, Durango, Colorado. n.d.
California Mining District.

6. Plan of Republic Adit, La Plata County, Colorado. 1935.
California Mining District.

7. La Plata Mountain plat 1908 of upper and lower tunnel Ruby lode. Unpatented. Location about Twp. 37 N. R. 11 W., N.M.P.M.
California Mining District.

8. Map of mining claims Needle Mountain Mng. Dist., La Plata County, Colo. Unpatented. On Vallecito River. Ranger Nos. 1, 2, and 3, Yukon Nos. 1 to 4 and Grizzly King Nos. 1 to 15, Copper Queen 1 to 3, Lucky Nine No. 1 to 3, Lucky No. 1 to 3, Red Bird No. 1, Silver Star. n.d.
Needle Mountain Mining District.

9. Map of the May Day Extension Group et al. lodes. California Mng. Dist., La Plata County, Colo. Sec. 28, Twp. 36 N., R. 11 W., N.M.P.M. A. L. Kroeger, n.d.
California Mining District.

10. Plat of the claim of Gracie I. Fox upon the 2055 Bessie G. lode. Sec. 30, Twp. 37 N., R. 10 W., N.M.P.M. Charles Keemle. 1888.
California Mining District.

11. Map of mining claims in Sec. 13, Twp. 36 N., R. 11 W. and Sec. 19, Twp. 36 N. R. 10 W. n.d.
California Mining District.

12. Plat of mineral entries, Twp. 37 N., R. 11 W., La Plata County, Colo., Burdick & Kroeger, Engineers, Durango, Colo. n.d.
Claifornia Mining District
See Maps, Mines: Metalliferous
La Plata County, 5.

13. Map of mining claims in Sec. 9, Twp. 37 N., R. 10 W., N.M.P.M. n.d.
California Mining District.

La Plata County (Cont'd.)

14 See End of Part II. Correction.

15. Map of claims in Secs. 22 and 27, Twp. 37 N., R. 10 W., N.M.P.M. 19051 Oro Fino, 15974 Legal Tender, Neglected.
California Mining District.

16. Map of mining claims in Sec. 2, Twp. 38 N., R. 7 W., N.M.P.M.
Needle Mountain Mining District.

17. Map of Lady Eleanora Consolidated Gold Mines Co., La Plata County, Colo. Secs. 21 and 22, Twp. 36 N., R. 11 W.
California Mining District.

18. Sketch map. Cross section showing workings of the Lady Eleanora Consolidated Gold Mines Company, La Plata County, Colo. Secs. 21 and 22, Twp. 36 N., R. 11 W.
California Mining District.

19. Sketch map showing location of Hunt mining claims, La Plata County, Colo. 8870 Platora. Secs. 15, 16, 21 and 22, Twp. 36 N., R. 11 W., N.M.P.M.
California Mining District.

20. Sketch map of Treasure group, La Plata County, Colorado. Sec. 26, Twp. 37 N., R. 10 W., N.M. P.M. n.d.
California Mining District.

21. Tracing - Wheel of Fortune Group. Ruby King 1237, etc. Secs. 21 and 27, Twp. 36 N., R. 10 W., N.M.P.M. n.d.
California Mining District.

22. Map showing workings of Ruby King 1237 and Luella Lode 7028. Secs. 21 and 27, Twp. 36 N., R. 10 W., N.M.P.M. n.d.
California Mining District.

Larimer County

1. Map of claims, Manhattan Mining District. Secs. 23 and 24, Twp. 9 N., R. 74 W.
Manhattan Mining District.

Las Animas County

1. Map Galena group of mining claims. B. I. McCargar. 1924. Twps. 30 and 31 S., Rs. 67 and 68 W. About 1-1/2 miles southwest of East Spanish Peak.
West Spanish Peak Mining District.

Mesa County

1. Map of Outlaw Group. Twp. 50 N., R. 18 W., N.M.P.M. F. C. Armstrong. Oct. 1920.
Gateway Mining District.

2. Map of claim, Sec. 30, Twp. 50. N., R. 17 W., N.M.P.M. F. C. Armstrong. Nov-Dec. 1920. About 20 miles east of Gateway.
Gateway Mining District.

3. Map of Little Florence mining claims. Mel B. Jowell, James Walker etc., Secs. 29 and 32, Twp. 8 S., R. 91 W. Theodore Rosenberg, C. E. 1924.

Mineral County

1. Map of patented mining claims, Creede Colo. 1929. Don C. La Font, County Surveyor. n.d. Secs. 6, 7, 18, 19, 30 and 31, Twp. 41 N., R. 1 E. Secs. 1, 2, 3, 10, 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36, Twp. 41 N., R. 1 W.
Sunnyside Mining District.

2. Map of patented mining claims, Creede, Colo. 1929. Don C. La Font, County Surveyor. n.d. Secs. 6, 7, 18, 19, 30 and 31, Twp. 41 N. R. 1 E. Secs. 1, 2, 3, 10, 11, 12, 13, 14, 23,24, 25, 26, 35 and 36, Twp. 41 N., R. 1 W.
Sunnyside Mining District.

3. Creede Camp and vinicinity. Secs. 12 and 13, Twp. 42 N., R. 1 W. and Secs. 17 and 18, Twp. 42 N., R. 1 E., N.M.P.M. E. S. Rice. 1892.
Sunnyside Mining District.

4. Map of mining claims in the neighborhood of Bachelor and Mammoth Mountains, near Creede, Colo. n.d. Sec. 30, Twp. 42 N., R. 1 E. and Sec. 24, Twp. 42 N., R. 1 W., N.M.P.M.
Sunnyside Mining District.

5. Map of the River-side Placers Nos. 1, 2, 3, 4, 5, 6 and Creede Placers Nos. 1, 2, 3, 4, 5 and 6 located in Secs. 3, 4, 7, 8, 9, 10, 15 and 16, Twp. 41 N., R. 1 E. of N.M.P.M. Don C. La Font. 1933.
Sunnyside Mining District.

6. Property of the Creedmoor Mining Company and adjoining claims, Creede, Colorado. Sec. 13, Twp. 42 N., R. 1 W. and Sec. 18, Twp. 42 N., R. 1 E. N.M. P.M. (7477 Holy Moses, 6837 Solomon, 6837 Hiram). n.d.
Sunnyside Mining District.

Mineral County (Cont'd.)

7. Map of Mammoth Mountain lode claims, near Creede, Colo. (Mammoth, Nancy Hanks, Argosy, Eureka, Eclat, Resurrection, Mary Anderson). Don C. La Font. n.d. Sec. 30, Twp. 42 N. R. 1 E. N.M.P.M.
   Sunnyside Mining District.

8. Map of mining claims on Bachelor Mountain near Creede, Colo. (Last Chance, New York, Del Monte). n.d. Sec. 13, Twp. 42 N., R. 1. W., N.M.P.M.
   Sunnyside Mining District.

9. Map of mining claims 7263-A Last Chance, 7333 Amethyst, 7421 Pittsburgh. Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M. Mineral County, Colorado. n.d.
   Sunnyside Mining District.

10. Map of mining claims in Mineral County, Colo. 599 Hidden Treasure, 569 Treasure Vault, 936 Golden Eagle, New Discovery, Happy Thought. n.d. Sec. 13, Twp. 42 N., R. 1 W., N.M.P.M.
   Sunnyside Mining District.

11. Underground workings of Creede United Mines, Creede, Colo. Sec. 14, Twp. 42 N., R. 1 W., N.M.P.M. (Happy Thought, 7428 Argenta adjoining). S. B. Collins. n.d.
   Sunnyside Mining District.

12. Dwyer Leasing Co., Creede, Colo. General Plan. Made by M.J.D. n.d. Sec. 24, Twp. 42 N., R. 1 W., N.M.P.M.
   Sunnyside Mining District.

13. Map showing properties of the Bachelor Mng. Co., Creede, Colo. n.d. Sec. 24, Twp. 42 N., R. 1 W., N.M.P.M.
   Sunnyside Mining District.

14. Mining claims adjoining Creede townsite. Victor G. Hills. 1921. Copied by Don C. La Font. 1933. Sec. 25, Twp. 42 N., R. 1 W.
   Sunnyside Mining District.

15. Contours of property of the Peerless Clay & Mineral Co., formerly Metalloid Corporation, Creede, Colorado.
   Sunnyside Mining District.

16. Property of the North Amethyst Mng. Co., in relation to Amethyst and Equity Lodes, King Solomon Mng. Dist., Mineral County, Colo. n.d. Sec. 13, Twp. 42 N., R. 1 W. N.M.P.M.
   Sunnyside Mining District.

Mineral County (Cont'd.)

17. Property of the C.M. S. Mines Company, Creede, Mineral County, Colo. Vertical longitudinal section of Campbell Mt. showing workings of Solomon-Moses group. Also large amount of undeveloped territory. n.d. Sec. 13, Twp. 42 N., R. 1 W., and Sec. 18, Twp. 42 N., R. 1 E. N.M.P.M.
   Sunnyside Mining District.

Ouray County

1. Property of the Torpedo-Eclipse Mining Company. Sneffels Mining District. Twp. 43 N., R. 8 W., N.M.P.M. Rich. Whinnerat. 1907.
   Sneffels Mining District.

2. Map of the San Juan Triangle. 1905. (Showing parts of Ouray, San Juan and San Miguel Counties).
   Gift of Hotchkiss Map Co.
   1515 Tremont St., Denver.

Park County

1. Leadville-Alma Mining District, from U. S. Geological Survey, Plate II, Prof. #148. 1927. Lewis E. Ashbaugh, 1933.

2. Map of mining claims Secs. 10, 11, 12, 13, 14 and 15, Twp. 8 S., R. 77 W. Geo. B. Cramer.
   Tarryall Mining District.

3. Map of claims west of Park City, Park County, Mosquito Mng. Dist., 6 miles west of Alma. Secs. 2, 3, 4, 9, 10 and 11, Twp. 9 S. R. 78 W.
   Mosquito Mining District.

4. Map of mining claims in Secs. 7 and 18, Twp. 9 S., R. 78 W. and Secs. 12 and 13 Twp. 9 S., R. 79 W. of and between North and South Mosquito Creeks. n.d.
   Mosquito Mining District.

5. Map of mining claims in Sec. 15, Twp. 8 S., R. 77 W. F. C. Cramer, n.d. (Yellowstone Placer)
   Tarryall Mining District.

6. Map of the Black Cloud group, South Mosquito Gulch, Park County, Colo. n.d. Secs. 1 and 12, Twp. 9 S., R. 79 W.
   Mosquito Mining District.

Park County (Cont'd.)

7. Map of mining claims in Sec. 31, Twp. 8 S., R. 78 W., Secs. 6 and 7, Twp. 9 S., R. 78 W. Secs. 35 and 36, Twp. 8 S., R. 79 W., Secs. 1, 2, 11, 12 and 13, Twp. 9 S., R, 79 W., in the Mosquito Mng. Dist., Park County, Colorado. n.d.
Mosquito Mining District.

8. Map showing London Extension Tunnel. 1997 American. Sec. 7, Twp. 9 S., R. 78 W. n.d.
Mosquito Mining District.

9. The London Vein and formations under American Tunnel by Carl A. Mohr, n.d. Sec. 7, Twp. 9 S., R. 78 W.
Mosquito Mining District.

10. Map showing location of the Wheeler and Janet groups of mining claims situated in Alma Mining District, Park County, Colorado. 9925 Janet. n.d. Sec. 8, Twp. 8 S., R. 78 W.
Consolidated Montgomery Mining Dist.

Pitkin County

1. Map of Pitkin County. Mining Districts. n.d.

2. Map of claims of Independence District. Secs. 6 and 7, Twp. 11 S., R. 82 W., Secs. 1 and 12, Twp. 11 S., R. 83 W.
Independence Mining District.

3. Map of southeast corner of Pitkin County, adjoining Chaffee and Gunnison Counties. n.d. Sec. 12, Twp. 12 S., R. 83 W.
Lincoln Mining District.

4. Porphyry Mountain Gold Mines Company. Map of claims, Sec. 35, Twp. 8 S., R. 84 W.
Frying Pan Mining District.

5. Map of mining claims between Miller and Woody Creeks, near Aspen, Pitkin County, Colo. 3 or 4 mi. from Aspen. Twps. 8 and 9 S., R. 84 W.
Frying Pan, Dry Pine & Woody Mining Districts.

6. Map of the Aspen mining belt. D. Rohlfing, n.d. Twps. 10 and 11 S., Rs. 84 and 85 W.
Columbia & Highland Mining Districts.

Pitkin County (Cont'd.)

7. Geologic map and section of Aspen Mining District, showing the mining properties. D. P. Rohlfind, May 1935. Twps. 10 and 11 S., Rs. 84 and 85 W.
Columbia & Highland Mining Districts.

8. Map of claims (Lime Gulch and Hurricane) in Sec. 7, Twp. 11 S., R. 84 W. Southeast of Aspen.
Highland Mining District.

9. Map, Mohawk lode on Castle Creek, Twp. 11 S., R. 84 W.
Columbia Mining District.

10. Section of the Aspen mining belt. Tinted portion showing interests of the Midnight Mng. Co., Aspen, Pitkin County, Colo. n.d. Secs. 7, 18, 19, 30 and 31, Twp. 10 S., R. 84 W. Secs. 12, 13, 24, 25 and 36, Twp. 10 S., R. 85 W.
Roaring Fork Mining District.

11. Section of the Aspen mining belt, Tinted portion shows interests of Highland Mines, Inc. Aspen, Pitkin County, Colo, n.d. Sec. 31, Twp. 10 S., R. 84 W., Sec. 36, Twp. 10 S., R. 85 W., Sec. 6, Twp. 11 S., R. 84 W. Sec. 1, Twp. 11 S., R. 85 W.
Highland Mining District.

12. Map of mining claims adjoining Aspen Townsite. n.d. Secs. 5, 6, 7, 8, 17 and 18, Twp. 10 S., R. 84 W.; Secs. 7, 12 and 13, Twp. 10 S. R. 85 W.
Roaring Fork Mining District.

13. U. S. L.M. Copper Mt. No. 1. Sec. 36, Twp. 10 S., R. 85 W. Map of mining claims.
Highland Mining District.

14. Map showing workings on Midnight 4468, Eureka 2227, Iron 2623 and Little Annie 2228 (Castle Creek fault) Sec. 36, Twp. 10 S., R. 85 W.
Columbia Mining District.

15. Map of Traynor Tunnel Sec. 13, Twp. 10 S., R. 85 W. Pitkin County, Colo. Sur. Aug. 18, 1917.
Roaring Fork Mining District.

16. Map of the Hope Mining M. & I. Co., Aspen, Colo. N.d. Sec. 1, Twp. 11 S., R. 85 W.
Highland Mining District.

Pitkin County (Cont'd.)

17. Map of mining claims in Secs. 6 and 7, Twp. Twp. 11 S., R. 84 W., and Secs. 1 and 12, Twp. 11 S., R. 85 W. South of Aspen.
Highland Mining District.

18. Map of Iron Hill properties. Mining claims in the Columbia Mng. Dist., Pitkin County, Colo. South of Aspen. nd. Sec. 25, Twp. 11 S. R. 85 W.
Columbia Mining District.

19. Map of mining claims in Columbia Mining District south of Aspen. No. 2044 A. Tam O' Shanter. Borealis. 2043 Montezuma. Sec. 11, Twp. 12. S., R. 85 W.
Columbia Mining District.

20. Map of mining claims in Columbia Mining District south of Aspen. U. S. L. M. Pine Creek, Secs. 11 and 12, Twp. 12 S., R. 85 W.
Columbia Mining District.

Saguache County

1. Map of Clover Creek District, Saguache County. n.d. Secs. 31 and 32, Twp. 48 N., R. 8 E., Secs. 5 and 6, Twp. 47 N., R. 8 E. About 14 miles north of Saguache.
Manitou Mining District.

Map of mining claims in Gunnison and Saguache Counties. Twp. 47 N., R. 1 W. n.d.
Domingo Mining District.
See Maps, Mines: Metalliferous.
Gunnison County, 6.

San Juan County

1. The San Juan and Southwestern Colorado. Lewis E. Ashbaugh. n.d.

2. Kittimac Group. All O.K. located claims. n.d. Near Eureka, San Juan County, northeast. Sec. 28, Twp. 42 N., R. 6 W.
Eureka Mining District.
See Lone Wolf Mining Company.

3. Kittimac mine workings. Eastern portion. n.d. Sec. 28, Twp. 42 N., R. 6 W.
Eureka Mining District
See Lone Wolf Mining Company.

San Juan County (Cont'd.)

5. The Sunnyside Mining & Milling Co., Eureka, Colo. Complete mine map showing the following levels - 4, 3, Upper Midway, 2, 1, A, B, B-sub, C, D, E, F and a portion of Terry Tunnel. As of Sept. 15, 1924. Sec. 14, Twp. 42 N., R. 7 W. N.M.P.M.
Eureka Mining District.

6. Map showing properties of the Martin Mining & Power Co., San Juan County, Colo., page 112, Mine Managers' Reports for the year 1909, Colorado State Bureau of Mines. Sec. 14, Twp. 42 N., R. 7 W., and Sec. 17, Twp. 42 N., R. 6 W., N.M.P.M.
Eureka and Animas Mining Districts.

Map of the San Juan Triangle. 1905. (Showing parts of Ouray, San Juan and San Miguel Counties)
Gift of Hotchkiss Map Co.,
1515 Tremont St., Denver.
See Maps, Mines: Metalliferous,
Ouray County, 2.

San Miguel County

1. The Argentine Group of mines. Longitudinal section of workings. Map No. 1. Page 472 of the 1903 Mine Managers' Reports, Colorado State Bureau of Mines. Sec. 4, Twp. 42 N., R. 8 W., N.M.P.M.
Upper San Miguel Mining District.

2. The Argentine Group of mines. Longitudinal section of workings. Map No. 2. Page 472 of the 1903 Mine Managers' Reports. Colorado State Bureau of Mines. Sec. 4, Twp. 42 N., R. 8 W., N.M.P.M.
Upper San Miguel Mining District.

3. Map of a portion of San Miguel County, Colo., north and west of Telluride, showing mining claims.
Twps. 43-49 N., Rs. 8-18 W., N.M.P.M.

Map of the San Juan Triangle. 1905 (Showing parts of Ouray, San Juan and San Miguel Counties)
Gift of Hotchkiss Map Co.,
1515 Tremont Street, Denver.
See Maps, Mines: Metalliferous.
Ouray County, 2.

4. See End of Part II. Correction.

Summit County

1. Map of Pennsylvia Mng. Co. properties and adjoining claims. Plan of workings of Pennsylvania mine. Peru Mng. Dist. 6 miles E. of Dillon. n.d. Sec. 20 and 29, Twp. 5 S. R. 75 W.

2. Plat showing position of surveys Nos. 981 A and 982 A, Bell East & Bell West lodes, Survey No. 12244 California & Sunburst lodes and Terrible & Holy Terror lodes, Snake River Mining District, Summit County, Colo. J. P. Hallihan, U. S. Dept. Min. Sur. 1896. Sec. 3, Twp. 6 S., R. 76 W.
Snake River Mining District.

3. Map showing the Fremont-Vineta Oil & Gold Mining Company, Summit County, Colo. Secs. 15 and 22, Twp. 6 S., R. 77 W. "Hamilton," "Cashier," F. C. Cramer, 1902.
Jo Davis Mining District.

4. Map showing standard workings on 8271 Ethelena and 8271 Nahant lodes. Sec. 29 and 32, Twp. 6 S., R. 77 W., Summit County, Colo. F. C. Cramer. n.d.
McKay Mining District.

5. Plat of the "Naperville" Tunnel and a portion of the "Eureka" workings 2336, McKay Mng. Dist. Summit County, Colorado. Sec. 30, Twp. 6 S., R. 77 W. (Naperville 2965) Fred C. Cramer, 1899.
McKay Mining District.

6. Map of mining claims Summit County, Bevan Mining District, on French Gulch. (242 Robley, 2204 Grey Horse, 1353 Emile Placer.) 1913. Sec. 33, Twp. 6 S., R. 77 W.
Bevan Mining District.

7. Map of 5704 Elephant Tunnel, Mill Tunnel, 5704 Emperor Tunnel, Sec. 35, Twp. 6 S., R. 77 W., Summit County, Colo. Fred C. Cramer. 1909.
Avalanche Mining District.

8. Map of mining claims 7624 Pearl, 3972 Ontario, 5704 Elephant Tunnel, Sec. 35, Twp. 6 S., R. 77 W., Summit County, Colo. (Fred C. Cramer) nd.
Avalanche Mining District.

Summit County (Cont'd.)

9. Plat of Last Dollar & Enterprise mines, on Farncomb Hill (including the Wapiti mines and 3068 Clark Placer). Sec. 35, Twp. 6 S., R. 77 W. Fred C. Cramer 1898.
Avalanche Mining District.

10. Map of the Sallie Barber mines, Bald Mountain, Bevan Mng. Dist., Summit County, Colo. T.A. Brown. 1906. Sec. 4, Twp. 7 S. R. 77 W.
Bevan Mining District.

11. Map of the Sallie Barber and Little Sallie Barber mines and workings, Bevan Mng. Dist., Summit County, Colo. T. A. Brown, 1912. Sec. 4, Twp. 7 S., R. 77 W.
Bevan Mining District.

12. Cross section Sallie Barber mine, Breckenridge, Summit County, Colo. Fred C. Cramer, n.d. Sec. 4, Twp. 7 S., R 77 W.
Bevan Mining District.

13. Plat showing elevations and workings Scott drift 7618 Cliff, 7618 Little Tom, and Dewey lodes. Secs. 5 and 8, Twp. 7 S., R. 77 W. Summit County, Colo. Fred C. Cramer. n.d.
Minnesota Mining District.

14. Map of mining claims in Sec. 27, Twp. 7 S., R. 77 W. on Indiana Creek, Summit County, Colo. Fred C. Cramer. n.d.
McBarnes Mining District.

15. Excelsior property, Wilkinson Mining District, Summit County, Colo. (1208 Beaver Placer, 14022 King Solomon Placer on Ten Mile River). F. C. Cramer, M. E. n.d. Secs. 33 and 34, Twp. 5 S., R. 78 W.
Wilkinson Mining District.

16. Map of mining claims 19220 Bay State 2-13, Sec. 2, Twp. 8 S., R. 78 W., Summit County, Colorado. Fred C. Cramer. n.d.
Pollock Mining District.

17. Map of mining claims in Sec. 2, Twp. 8 S., R. 78 W. on the Blue River, near the south line of Summit County. n.d.
Pollock Mining District.

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18. Map of Kokomo and Robinson mining districts, Summit County, Colo. Fred J. McNair, 1916. Secs. 22 and 27, Twp. 7 S., R. 79 W.
Kokomo & Robinson Mining Districts.

19. Map of claims in Secs. 10 and 15, Twp. 6 S., R. 76 W. n.d.
Snake River Mining District.

20. Map of claims in Sec. 20, Twp. 6 S., R. 76 W. Fred C. Cramer. n.d.
Middle Swan Mining District.

21. Map of placer claims in Secs. 5 and 6, Twp. 7 S., R. 76 W., Secs. 31 and 32, Twp. 6 S., R. 76 W., Sec. 1, Twp. 7 S., R. 77 W., Secs. 25 and 36, Twp. 6 S., R. 77 W. George B. Cramer, n.d.
Swan River Mining District.

22. Map of mining claims in Secs. 23 and 24, Twp. 5 S., R. 77 W. Fred C. Cramer. n.d. Frey Placer 5687.
Beaver Dam Mining District.

23. Map of mining claims Secs. 20 and 21, Twp. 6 S., R. 77 W. Geo. B. Cramer. n.d.
Union Mining District.

24. Map of unpatented claims in Sec. 22 Twp. 6 S., R. 77 W. Fred C. Cramer. n.d. Berten, Lookout and Chester claims.
Bevan Mining District.

25. Map of placer claims in Secs. 24 and 25, Twp. 6 S., R. 77 W. F. C. Cramer. n.d.
Swan River Mining District.

26. Map of claims in Sec. 32, Twp. 6 S., R. 77 W. 1285 Louis D. Placer. Fred C. Cramer. n.d.
Bevan Mining District.

27. Map of mining claims Secs. 32 and 33, Twp. 6 S., R. 77 W. n.d.
Bevan Mining District.

28. Survey No. 11704 Leadville Land District. Claims in Sec. 33, Twp. 6 S., R. 77 W. n. d.
Bevan Mining District.

29. Map of workings Wellington mine. Sec. 33, Twp. 6 S., R. 77 W. n.d.
Bevan Mining District.

Summit County (Cont'd.)

30. Map of mining claims in Sec. 34, Twp. 6 S., R. 77 W. Geo. B. Cramer. n.d. 19310 La Kota Placer.
Avalanche Mining District.

31. Map showing approximate longitudinal section Wellington vein to Oro shaft. Sec. 33, Twp. 6 S., R. 77 W. n.d.
Bevan Mining District.

32. Map showing workings on 6328 Red Wing and 615 Maxwell. Sec. 5, Twp. 7 S., R. 77 W. n.d. 2509 Commodore placer.
Minnesota Mining District.

33. Map showing 1349 Hunt placer, and 1134 Bartlett & Shock placer "Dedicated." Sec. 6, Twp. 7 S., R. 77 W. Fred C. Cramer. n.d.
Spaulding & Miners Mining District.

34. Map of claims Sec. 6, Twp. 7 S., R. 77 W.n.d.
Miners Mining District.

35. Plat of Gold Nugget Placer, Indiana Gulch, Sec. 18, Twp. 7 S., R. 77 W., Summit County, Cramer & Hallihan. nd. 5225 Golden Crown Placer.
Miners Mining District.

36. Map of claims Survey No. 13898 Leadville Land Dist., Sec. 18, Twp. 7 S., R. 77 W. Fred C. Cramer. 1900.
Pollock Mining District.

37. Map of claims in Secs. 18 and 19, Twp. 7 S. R. 77 W. F. C. Cramer, n.d.
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38. Map of placer claims Sec. 1, Twp. 8 S., R. 78 W. 2154 Saw Log Placer.
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39. Map of mining claims Sec. 6, Twp. 8 S., R. 77 W. n.d.
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40. Map of claims Secs. 19, 30, 31, Twp. 9 S., R. 77 W. Fred C. Cramer. n.d. 1487 Candler placer. Blue River Placer No. 5, 6, and 7.
Union Consolidated Mining District.

41. Map of workings. The Excelsior mine, Summit County, Colo. Sec. 33, Twp. 5 S., R. 78 W. n.d.
Wilkinson Mining District.

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42. Projection on vertical plane. The Excelsior mine, Summit County, Colorado. Sec. 33, Twp. 5 S., R. 78 W. n.d.
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43. Plat showing Columbia group, McCullough Mountain, Summit County, Colo. Sec. 36 Twp. 7 S., R. 78 W. Cramer & Hallihan. n.d.
Pollock Mining District.

44. Map of the Arctic mine, Pollock mining district, Summit County, Colo. Sec. 2, Twp. 8 S., R. 78 W., F. C. Cramer. 1909.
Pollock Mining District.

45. Map of mining claims in Sec. 36, Twp. 6 S., R. 78 W. n.d. Brooklyn placer, Boom placer.
Spaudling Mining District.

46. Map of mining claims and under-ground surveys of the Summit Mining & Smelting Co., the Boise Gold & Silver M.& M. Co., The Delaware Gold M. & M. Co. E. E. Byron, P.B. Cantwell, P. W. Breene, W. A. Polkinghorn and Edward F. Bishop. Elk Mountain. Consolidated Ten Mile Mng. Dist. c1904. Sec. 22, Twp. 7 S., R. 79 W.
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47. Summit County map. Sec. 24, Twp. 7 S., R. 79 W. n.d. 1826 Clinton placer. 1305 Emmett & Lowe placer.
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48. Properties of the Reliance Gold Dredging Co. accompanying the report of Ben Stanley Revett. Secs. 30, 31 & 32, Twp. 7 S., R. 79 W. n.d.
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49. Map of the Little Artist group, 1934. Sec. 15, Twp. 7 S., R. 79 W.
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50. Sheet 1. Map of the Silver King Lodge Placer, the Last Chance placer, Fugitive lode, etc. on Nigger Hill, Breckenridge, Summit County, Colo., from survey made Feb. 1906. Sec. 5, Twp. 7 S., R. 77 W.
Utah, Minnesota & Bevan Mining Districts.

51. Sheet 2. Sections to accompany map of the Silver King lode and placer etc., situated on Nigger Hill, Breckenridge, Summit County, Colo. Sec. 5, Twp. 7 S., R. 77 W.
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52. Map of the Mountain Pride Mine, Bald Mountain, Summit County. Map and Vertical Sections Showing monthly progress. Cramer & Hallihan, Nov. 1896. Secs. 9 and 12, Twp. 7 S., R. 77 W.
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53. Map of mining claims in Sec. 6, Twp. 8 S., R. 77 W. n.d. Saw Log 2154.
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54. Gold Cord Tunnel, owning mines interlined. Page 81-1/2 of the Mine Managers' Reports for the year 1901, Colorado State Bureau of Mines. Sec. 14, Twp. 7 S., R. 79 W.
Ten Mile Mining District.

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1. Sketch map of the Front Range area between Colorado Springs and Cripple Creek, Colorado. Taken from U. S. maps and other sources by Wm. Garstin, U. S. Mine Surveyor. n.d. Twps. 15 and 16 S., Rs. 67, 68, 69 and 70 W.
Cripple Creek Mining District.

2. Map of the Cripple Creek Mining District. Compliments of the El Crest Mining Co. Twp. 15 S., Rs. 69 and 70 W.
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3. Plan and section of underground workings, showing proposed development work. El Crest Mining Co., Cripple Creek, Colorado. Sec. 30, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

4. Cresson Consolidated Gold Mining Company. Map of claims in Sec. 20, Twp. 15 S., R. 69 W. n.d.
Cripple Creek Mining District.

5. Map of the property of the Gold Dollar M. Co., and the "Mabel M." M. & M. Co. being a part of Arequa townsite, Cripple Creek Mining Dist., Colorado. W. H. Leffingwell, M.E. Sec. 30, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

6. Map showing mining properties in the Cripple Creek Mining District (Times-Record print, Cripple Creek, Colo.) Twp. 15 S., Rs. 69 and 70 W. n.d.
Cripple Creek Mining District.

7. Ma p of a portion of the Cripple Creek Mng. District showing the workings and mine shafts with elevations of the mine levels of the U.G.M. (Vindicator & Golden Cycle group) of the Jerry Johnson G.M. Co., Pride of Cripple Creek, Forest Queen, Tenderfoot, Jerry Johnson #2 and many other properties. Twp. 15 S., R. 70 W.
Cripple Creek Mining District.
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8. Section II

9. Section III

10. Map of mining claims in the southeast portion of the Cripple Creek Mining District. Secs. 20, 21, 28 and 29, Twp. 15 S. R. 69 W.
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11. Map of claims in the Cripple Creek Mining District, in five parts, Secs. 18, 19, 20, 29 and 30, Twp. 15 S., R. 69 W. n.d.
Cripple Creek Mining District.

12. Little Emma Lode. Page 180, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Tenderfoot Hill. N. ½ Sec. 8, Twp. 15 S. R. 69 W.
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13. Plat showing Abe Lincoln Lode. Page 2, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Poverty Gulch, on N.W. slope of Gold Hill. S. E. ¼ Sec. 13, Twp. 15 S., R. 69 W.
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14. Map showing section along line of "Abe Lincoln" vein. Page 2, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Poverty Gulch, on N.W. slope of Gold Hill. S.E. ¼ Sec. 13, Twp. 15 S., R. 69 W.
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15. Cross section Iron Clad mine. Page 146, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Iron Clad Hill, S. E. ¼ Sec. 18, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

16. Moon Anchor mine. Page 232, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. slope of Gold Hill, Secs. 18 and 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

17. Underground workings of the Gold King Mining Co., on the El Paso Lode. F. E. Willis. Page 93, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. In Poverty Gulch. South slope of Tenderfoot Hill. N. W. ¼ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

18. E. Porter, Gold King shaft. Page 121, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. South slope of Gold Hill, N. W. ¼ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

19. Cross section Kitty M. Mine. Page 161, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. North slope Gold Hill, N. W. ¼ Sec. 19, Twp. 15 S., R. 69 W.
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20. Cross section of Poorman mine (Peterson lease) Page 260, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. slope of Raven Hill, S. W. ¼ Sec. 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

21. Grouse mine. Page 124, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines, On Bull Hill. Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

22. Cross section Star of Bethlehem. Page 292, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Bull Hill. Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

23. Cross section Specimen mine. Page 310, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. South slope Bull Hill, S. E. ¼ Sec. 20, Twp. 15 S., R. 69 W.
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24. Cross section Hanna Britt mine, Page 129, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. Bull Hill, N. W. ¼ Sec. 20, Twp. 15 S., R. 69 W.
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25. Lucky Gus mine. Page 195, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. North slope Bull Hill. S. E. ¼ Sec. 21, Twp. 15 S., R. 69 W.
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26. Cross section of the Midget mine. Page 197, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. West slope of Gold Hill. N. E. ¼ Sec. 24, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

27. Cross section Keystone mine. Page 158, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. West slope of Gold Hill, Sec. 24, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

28. Plan of Legal Tender. Page 166, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N.W. ¼ Sec. 28, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

29. Vertical longitudinal section of the Strong Mine, looking west. J. F. Smith, C. E. Page 302 302, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. South slope of Battle Mountain, Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

30. "No. 1." Blue Bird Incline Shaft, Blue Bird Mine, Page 40, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. ¼ Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

31. Requa-Savage Lode claim. 9015 Roman. Page 253, Inspector of Mines' Reports for the year 1897, Colorado State Bureau of Mines. N. W. ¼ Sec. 30, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

32. Maloney workings, Page 247, Inspector of Mines Reports for the year 1897, Colorado State Bureau of Mines. Twp. 15 S., R.69 W.
Cripple Creek Mining District.

33. Map of workings on the property of the Anchoria-Leland Mining & Milling. Moon Anchor, Baby McKee and other shafts. 7 sheets (2nd. sheet missing). Secs. 18 and 19, Twp. 15 S., R. 69 W. n.d.
Cripple Creek Mining District.

34. Map of the Cripple Creek Mining District, Secs. 5, 6, 7, 8, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32 and 33, Twp. 15 S., R. 69 W. and Secs. 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36, Twp. 15 S., R. 70 W. The Denver Times, n.d.
Cripple Creek Mining District.
Mounted on cloth. No tracing.

35. Map of School Section Mine. Workings 2nd to 7th level. n.d. Sec. 16, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
Filed in 2 folders - 35 A and B.

36. Map of the Sunshine Mine. n.d. Sec. 17, Twp. 15 S., R. 69 W. Anna Belle 9504, Sunshine 10032 A. M.
Cripple Creek Mining District.

37. Map of Anchoria-Leland Mining & Milling Co. Workings 1st. to 11th. level incl. (3 sheets). n.d. Secs. 18 and 19, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

38. Claim map of the Anchoria-Leland property of the Golden Cycle Corporation, Cripple Creek District, Cripple Creek, Colo. showing boundary lines. E. C. Phillips 1935. Sec. 18 and 19, Twp. 15 S., R. 69 W.
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39. Map of Vindicator shaft. Workings Sheets 1 to 8, 8-½, 9 to 24. (Sheets 1 and 2 missing). S. W. ¼ Sec. 20, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
Filed in 3 folders - 39 A, B and C.

40. Joint survey of surface and Deadwood, 1st. level. E. P. Arthur and E. C. Phillips. N.d. Sec. 20, Twp. 15 S., R. 69 W.
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Teller County (Cont'd.)

41. Underground workings Cresson shaft. 17 shts. (1 & 2 missing) Sec. 20, Twp. 15 S., R.69 W.
Cripple Creek Mining District.
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42. Map of workings of Colorado City shaft (3 sheets) nd. N. ½ Sec. 29, Twp. 15 S. R. 69 W.
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43. Newmarket Vein System (Showing workings from Ajax, Dillon and Gold Coin shafts. n.d. Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

44. Map of Portland mine. 25 sheets, Surface, Adit level, 200, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1500 , 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2450, 2700, 2900, 3000, and 3100 ft. levels. n.d. Sec. 29, Twp. 15 S., R. 69 W.
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Filed in 4 folders - 44 A, B, C & D.

45. Portland Mine, Independence shaft. "A" level, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1150 and 1400 Ft. level (12 shts). n.d. Sec. 29, Twp. 15 S., R. 69 W.
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Teller County (Cont'd.)

46. International. Portland Gold Mining Co. Ajax shaft, Gold Coin Shaft, Dillon Shaft, Portland #1 and #2 shafts. 25 sheets. Surface. Vertical sections 1300 N. and 948. Profile Section, Sections 1 to 21 (15, 17 and 19 missing) n.d. Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.
Filed in 7 folders - 46 A, B, C, D, E, F & G.

47. Claim map and underground workings of May B mine. E. C. Phillips, n.d.(2 sheets) Second sheet is Vertical Projection on the May B vein Sec. 30, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

48. Raven Beacon map. Workings partly under Victor townsite. n.d. Sec. 30, Twp. 15 S., R. 69 W. Cripple Creek Mining District.

49. Map of workings on 8414 Eclipse No. 1, 8168 Joe Dandy. n.d. Sec. 30, Twp. 15 S., R. 69 W.

50. Rubie-Last Dollar-Modoc geology, Cripple Creek, Colorado, August 28, 1923. 25 map sheets. Victor G. Hills (signed) S. E. ¼ Sec. 20, N. E. ¼ Sec. 29, Twp. 15 S., R. 69 W.
Cripple Creek Mining District.

MAPS

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1. Derby structure, Adams County, Colorado. Structure contours. Charles T. Lupton. 1933. Twps. 1 to 6 S., Rs. 64 to 69 W.

2. Survey of Magnetic Highs, showing holdings of the Reiter-Foster Oil Corporation, Adams and Weld Counties, Colorado. J. A. Milkovesky. n.d. Twps. 1 and 2 N., 1, 2 and 3 S., Rs. 60, 61 and 62 W.

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Map of the property of the Peoples Oil & Gas Company, Saguache and Alamosa Counties. Twps. 39 to 43 N., Rs. 9 to 12 E. N.M.P.M.
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Saguache County, 1.

Crowley County

1. Lake Henry Anticline. Crowley County. Colorado. Prepared by F. W. Rohwer, Ordway, Colorado. Twps. 20 and 21 S., Rs. 56 & 57 W.

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1. Map of the Montezuma Anticline, Colorado. Twps. 38, 39 and 40 N., Rs. 18, 19 and 20 W. Proposed well. Sec. 3, Twp. 38 N., R. 19 W.

2. Dolores Anticline. Dean E. Winchester. 1928. Twps. 41, 42 and 43 N., Rs. 17, 18 and 19 W., N.M.P.M.

El Paso County

1. Reconnaissance map of the Fountain Dome area, El Paso County, Colo., by H. W. Steffen, Geologist. Twp. 17 S., Rs. 64 and 65 W.

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1. Garmesa No. 1 Well. Gypsy Oil Co., 35 miles northwest of Grand Junction, Colorado. S. W. $\frac{1}{4}$ of S. E. $\frac{1}{4}$ Sec. 5, Twp. 8 S., R. 102 W.

2. Map of Battlement Mesa Oil shale placer mining claims in Porcupine Creek, Garfield, County, Colorado. Sec. 36, Twp. 7 S., R. 94 W. (Unsurveyed) n.d.

3. Map showing oil shale properties in Parachute District, Garfield County, Colorado. Twp. 7 S., R. 95 W., northwest of City of Grand Valley. J. W. Mangnall. n.d.
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1. The Granby Anticline. Grand County, Colo, Charles T. Lupton, Geologist, 1930, Twps. 2 and 3 N., Rs. 76 and 77 W.

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1. Structure contour map of the Pole Mountain area, North Park, Jackson County, Colorado. Geology by H. E. Crum, assisted by J. D. Marr, Oct. 1927. Twps. 6 and 7 N., R. 81 W.
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3. The Redlands, Mesa County, Colorado, from photo by Chas. Rump. Looking N. W. R. E. Meserve del. 1935. Secs. 29, 30, 31, 32, Twp. 1 S., R. 1 W. Ute P.M.

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Ottawa group, Colpitt, Funk and Kaminky, 1;
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Peter Sweeney group, Purdy, 1;
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Clint placer: Maps, mines, Lake Co., 10.
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Colorado Fuel & Iron Co.: Maps, coal, Fremont Co., 1, Huerfano & Las Animas counties, 4; Miller, 1.

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Colorado lode claim: Holmes, W. I., 6.
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Creede Flat vein: Hills, 1.
Creede Mines, Inc.: Clark, 2.
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Crown placer: Maps, mines, Summit County, 36, 37.
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C. S. placer: Maps, mines, Lake Co., 9.
Cumberland mine: Reed, 6.
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Custer County, mines:
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Denver County, petroleum:
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Derby structure: Lupton, 1; Maps, petroleum, Adams County, 1.
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Dolores County, mines:
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Douglas Creek structure: Maps, mines, Rio Blanco Co., 1; McLeod, J. D., 1.
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Eugene Mines, Inc., Clark, 1;
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Gold Anchor group: Marrs, 1.
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Gold Basin placer: Maps, mines, Lake County, 14.
Gold Cap properties: Ashbaugh, 10.
Gold Brick mining district: Maps, mines, Gunnison Co., 5.
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Golden Crown placer: Maps, mines, Summit County, 35, 36, 37.
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Golden Eagle lode: Holmes, E. I., 13.
Golden Egg placer: Maps, mines, Clear Creek County, 12.
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Golden Wonder placer: Maps, mines, Eagle Co., 4.
Gold Hill group: Holmes, W. I., 8.
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Gold Hub Mines Company vein system: Kennedy, 1.
Gold Key M. & M. Co.: Maps, mines, Park Co., 3.
Gold King mill: C. S. B. M., 47.
Gold King Mining Co.: Maps, mines, Teller Co., 17.
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Gold King placer: Maps, mines, Summit County, 34, 36, 37.
Gold Nugget group: Reed, 1.
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Gold Run Consolidated Mining Co.: Schwarz, 12.
Gold Star placer: Maps, mines, Park County, 3.
Gold values in placer lands: C. S. B. M., 1.
Goodale placer: Maps, mines, Summit County, 40.
Good Luck placer: Maps, mines, Costilla Co., 1.
Goodsell placer: Maps, mines, Lake Co., 9.
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Gordon Gulch placer: Maps, mines, Boulder Co., 10.
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Gracie I. Fox claim: Maps, mines, La Plata County, 10.
Graham placer: Maps, mines, Lake Co., 9.
Granby anticline: Maps, petroleum, Grand Co., 1.
Grand County, maps: see Part II of Catalogue.
Grand County, mines:
Mine Records, C. S. B.M., 80;
North Park and Vandalia Mining and Smelting Co., Jenks, 1.
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